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PLASTICS PLASTICS IN GENERAL **INTRODUCTION** ORIGIN AND HISTORY PLASTICS HISTORY IN EUROPE DEVELOPMENT OF PLASTICS IN THE US INTRODUCTION OF FORMALDEHYDE RESINS EMERGENCE OF PLASTICS IN THE TWENTIETH CENTURY MODERN LIFE MADE EASIER BY PLASTICS ADVANTAGES OF PLASTICS IN VARIOUS SECTORS FOOD **CLOTHING** HOUSEHOLD TRANSPORTATION HEALTH CARE COMMUNICATION/ENTERTAINMENT SPORTS AND RECREATION SOME INTERESTING FACTS PLASTICS IN EVERYDAY LIFE PLASTICS AND THE ECONOMY PLASTICS AND ENERGY PLASTICS IN MEDICINE PLASTIC IN WASTE STREAM PLASTICS AND THE ENVIRONMENT **B. AUTOMOTIVE PLASTICS – IN BRIEF** 

FUTURE PLANS AUTOMOTIVE PLASTICS - GLOBAL MARKET WATCH AIRCRAFT SECTOR INNOVATIVE DEVELOPMENTS IN AEROSPACE TECHNOLOGY PLASTICS IN RAILWAY APPLICATIONS PLASTICS IN MARINE APPLICATIONS INDUSTRY SNAPSHOT AUTOMOTIVE PLASTICS - END-USER - MARKET BRIEFING EUROPE THE AMERICAS ASIA-PACIFIC REST OF WORLD

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AUTOMOTIVE PLASTICS – INDUSTRY SNAPSHOT **A. AUTOMOTIVE PLASTICS – SEGMENTATION** PLASTICS – GLOBAL VALUE PLASTICS – BY GEOGRAPHY EUROPE

THE AMERICAS

ASIA-PACIFIC **REST OF WORLD** AUTOMOTIVE PLASTICS - GLOBAL AUTOMOTIVE PLASTICS - BY GEOGRAPHY EUROPE THE AMERICAS ASIA-PACIFIC **REST OF WORLD** AUTOMOTIVE PLASTICS - END-USER - GLOBAL AUTOMOTIVE PLASTICS - END-USER – BY GEOGRAPHY **INTERIORS & EXTERIORS FURNISHING** EUROPE THE AMERICAS ASIA-PACIFIC **REST OF WORLD** ELECTRICAL COMPONENTS **EUROPE** THE AMERICAS ASIA-PACIFIC **REST OF WORLD POWERTRAINS EUROPE** THE AMERICAS **ASIA-PACIFIC REST OF WORLD** UNDER HOOD ENGINE EUROPE THE AMERICAS **ASIA-PACIFIC REST OF WORLD B. GROWTH RATE ANALYSIS** GLOBAL PLASTICS MARKET GROWTH RATES AUTOMOTIVE PLASTICS GLOBAL AUTOMOTIVE PLASTICS MARKET GROWTH RATES AUTOMOTIVE PLASTICS MARKET - BY END-USER GLOBAL AUTOMOTIVE PLASTICS - END-USER - GROWTH RATES **C. INVESTMENT FOCUS CONCLUSION III. INDUSTRY OVERVIEW** A. PLASTICS AND GLOBAL NETWORKING SUSTAINABLE DEVELOPMENT OF EFFECTIVE ANTIMICROBIAL MASTERBATCHES FOR PLASTICS INDUSTRY FACTORS AFFECTING PLASTIC PACKAGING MARKET IN THE WEAK **ECONOMIC SCENARIO POST 2008** 2010 - A YEAR OF RECOVERY AND GROWTH FOR GLOBAL PETROCHEMICAL

AND POLYMER INDUSTRY

POLYMER SCENARIO IN 2010 QUALITY FACTORS INFLUENCING THE SOURCING OF MATERIAL METAL VS PLASTICS - DESIGN FLEXIBILITY AND IMPROVED FUNCTIONALITY

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MANUFACTURING PROCESS ADVANTAGES OF PE GREENHOUSES MARKETING STRATEGIES FOR PE GREENHOUSES ASIA-PACIFIC PLASTICS MARKET SNAPSHOT REST OF WORLD PLASTICS IN SOUTH AFRICA SUBSECTORS CHALLENGES FUTURE GROWTH MARKET SIZE, ENVIRONMENTAL AND SAFETY ISSUES PLASTICS IN THE MIDDLE EAST GULF PETROCHEMICALS AND CHEMICALS ASSOCIATION (GPCA) PLASTICS SUMMIT REST OF WORLD PLASTICS MARKET SNAPSHOT

PLASTICS FUTURE PROSPECTS: GLOBAL SCENARIO

# C. A REVIEW ON AUTOMOTIVE PLASTICS

## **D. INDUSTRY ACTIVITIES**

RELIANCE TO ENTER INTO COLLABORATION WITH BRITISH PETROLEUM TO DOWNSTREAM SEGMENT

DOW ANNOUNCES PE PRICE INCREASE ACROSS EUROPE, MIDDLE EAST, AFRICA

DOW COMMENCES PRODUCTION OF ENLIGHT™ POLYOLEFIN ENCAPSULANT FILMS IN THAILAND

DHUNSERI PETROCHEM TO TRIPLE TURNOVER IN 2013-14 WITH EGYPTIAN PET PROJECT

JBF PETROCHEMICALS SIGN AGREEMENT FOR LICENSING BP'S PTA TECHNOLOGY

EASTMAN AND SINOPEC YANGZI IN JV TO CONSTRUCT GLOBALLY SCALED HYDROGENATED HYDROCARBON RESIN PLANT

HONEYWELL'S UOP CHOSEN BY LUKOIL TO OFFER TECHNOLOGY FOR HIGH-QUALITY GASOLINE AND PETROCHEMICAL PRODUCTION

IP BOOSTS STAMAX LGFPP COMPOSITE RESIN CAPACITY AT GENK, BELGIUM

CHINACOAL MENGDA TO LICENSE DOW UNIPOL<sup>™</sup> PPT SOLUTIONS (POLYPROPYLENE PROCESS TECHNOLOGY)

INVISTA PURCHASES PET RESIN AND FEEDSTOCK TECHNOLOGY FROM LA SEDA DE BARCELONA

SOLVAY LAUNCHES ZENIVA ZA-520 TO EXPAND PEEK IMPLANTS MUCELL EXTRUSION OBTAINS LICENSE FOR DOW CHEMICAL'S THIN FOAMED FILMS

APPE SET TO INAUGURATE POLISH PACKING UNIT

REPI INAUGURATES COLOUR AND ADDITIVE CONCENTRATE FACILITY IN US

ELECTROPLAST INSTALLS THREE NEW ENGEL DUO 500 INJECTION MOULDING MACHINES

CIECH GROUP TO SELL PUR FOAM SUBSIDIARY CIECH PIANKI

INEOS LICENCES PP PROCESSES TO RUSSIAN COMPANY ZAO VOSTOCHNAYA NEFTECHEMICHESKAYA

SUZUKI MOTOR'S NEW SUZUKI SUPER POLYPROPYLENE IS 10% LIGHTER AND SUPERB IN MATERIAL COLOURING

PETROFAC WINS \$500 MILLION SAUDI ARAMCO, SUMITOMO DEAL EASTMAN ACQUIRES SOLUTIA

ASTRA POLYMERS SIGNS DEAL WITH BASF TO MANUFACTURE CUSTOMER SPECIFIC BLENDS (CSB) IN SAUDI ARABIA

TEIJIN CHEMICALS INTRODUCES PANLITE AM, AN ENHANCED LIGHTWEIGHT POLYMER ALLOY FOR AUTOMOTIVE APPLICATIONS BASF TO ESTABLISH A BUTADIENE EXTRACTION PLANT IN ANTWERP W. R. GRACE SIGNS MULTI-YEAR AGREEMENT WITH BRASKEM TO DEVELOP TECHNOLOGIES AND CATALYST SOLUTIONS TO PRODUCE GREEN CHEMICALS

PTT GLOBAL TO INVEST US\$11 BLN BY 2020 TO EXPAND CAPACITY, AND WILL FOCUS ON HIGH-MARGIN SPECIALTIES AND GREEN PRODUCTS. MITSUI AND SINOPEC IN EPT JOINT VENTURE

OCTAL FINISHES SECOND PHASE PET EXPANSION AT SALALAH COMPLEX BRASKEM ACQUIRES PROPYLENE SPLITTER ASSETS AT SUNOCO'S EX-REFINERY IN MARCUS HOOK

POLISH OIL REFINER PKN ORLEN SA NOT INTO DISCUSSION ON THE SALE OF PETROCHEMICAL SECTORS

GLOBAL ACHIEVEMENT WITH THE MARKET LAUNCH OF THE GX SERIES OF KRAUSSMAFFEI

CEREPLAST GRANTED PATENT FOR HIGH HEAT RESISTANT POLYMER COMPOSITIONS HAVING POLYLACTIC ACID (PLA)

SABIC TO AUGMENT BELGIAN LGFPP CAPACITY TO ADDRESS AUTOMOTIVE CUSTOMER DEMAND

PAKISTAN'S FIRST BOPET FILM FACILITY INITIATES PRODUCTION HC PETROCHEM TO FINISH CONSTRUCTION OF NEW 800,000 TPA PARAXYLENE UNIT

PETRONAS INKS HEADS OF AGREEMENT WITH VERSALIS SPA TO JOINTLY OWN, DEVELOP, CONSTRUCTS AND OPERATES ELASTOMER PLANTS GUANGDONG ZHENRONG CONSIDERS ACQUISITION OF 51% STAKE IN TITAN PETROCHEMICALS

PTT PLANS TO DEVOTE US\$2-3 BLN IN MYANMAR

LINDE PHILIPPINES AWARDED CONTRACT BY JG SUMMIT PETROCHEMICALS CORP.

MONDI ACQUIRES GERMANY-BASED NORDENIA

JACOBS WINS FEED CONTRACT FROM SAUDI KAYAN PETROCHEMICAL COMPANY

SABIC AND EXXONMOBIL IN JOINT VENTURE TO BUILD A SPECIALTY ELASTOMERS PLANT AT AL-JUBAIL

OMAN AND ABU DHABI TO JOINTLY DEVELOP REFINERY AND

PETROCHEMICALS COMPLEX IN DUQM

AZELIS SELLS THERMOPLASTIC POLYMERS BUSINESS

ALFA LAVAL GETS PACKINOX HEAT EXCHANGERS RRDER FROM SOUTH KOREAN REFINERY

TECHNIP SET TO ACQUIRE STONE & WEBSTER PROCESS TECHNOLOGIES FROM THE SHAW GROUP

PETRONAS EXPECTED TO DECIDE FINAL INVESTMENT ON JOHOR REFINERY PROJECT BY MID-2013

JM EAGLE TO EXPAND PRODUCTION TO MEET DEMAND IN NORTHERN MARKETS

DOW TO BUILD ENLIGHT™ POLYOLEFIN ENCAPSULANT FILM PLANT IN SCHKOPAU

CHEVRON PHILLIPS CHEMICAL SIGNS LOI TO EVALUATE PETROCHEM PLANT IN IRAQ

SIPCHEM AFFILIATE SIGNS SHARIAH COMPLIANT SR1.4 BLN LOAN DEAL APTARGROUP TO ACQUIRE STELMI GROUP OF FRANCE

GAIL TO USE AXENS' ALPHABUTOL TECHNOLOGY FOR NEW ETHYLENE DIMERIZATION UNIT AT PATA

PETRONAS SINGS HOAS WITH POTENTIAL PARTNERS FOR PETROCHEMICAL VENTURES

SIDPEC SUBSIDIARY RECEIVES 5 OFFERS FOR SETTING UP POLYETHYLENE PLANT

WORLD'S LARGEST PLASTICS RECYCLING PLANT, CONTINUUM RECYCLING, INAUGURATED

SOLVAY INAUGURATES NEW R&D AND TECHNOLOGY CENTRE IN INDIA CLARIANT'S NEW LIQUID VEHICLE TECHNOLOGY TO ENHANCE IN

EXTRUSION BLOW MOLDING-OF-POLYOLEFINS

POLYONE TO BEGIN OPERATIONS IN COSTA RICA

MEDALIST MD-200 SERIES OF HIGH-PURITY TPV MEDICAL ELASTOMERS MEET ISO AND FDA STANDARDS

CLARIANT MASTERBATCHES DEVELOPS NEW LVT FOR POLYOLEFIN EXTRUSION BLOW MOLDING

BOREALIS TO SHOWCASE INNOVATIVE PIPE AND ADVANCED PACKAGING SOLUTIONS IN PLASTPOL 2012

SAUDI ARABIAN COMPANY AND TURKEY'S BAYEGAN TO JOINTLY INVEST IN A PP PLANT IN TURKEY

LARSEN & TOUBRO JV ACHIEVES PROCURE AND CONSTRUCT CONTRACT FROM SADARA CHEMICAL COMPANY

BASF ACQUIRES MAZZAFERRO GROUP'S PA POLYMER BUSINESS IN BRAZIL

CHEVRON PHILLIPS CHOOSES TEXAS FOR TWO NEW POLYETHYLENE FACILITIES

RENOLIT ACQUIRES MEDICAL FILM DIVISION OF CHINA'S AUSTAR PMC HONEYWELL'S UOP C3 AND C4 OLEFLEX CHOSEN FOR PETROCHEMICAL PRODUCTION IN CHINA

ZHEJIANG HENGYI SIGNS LEASE AGREEMENT WITH BEDB FOR INTEGRATED REFINERY & AROMATICS CRACKER PROJECT GE OFFERS COMPRESSOR TECHNOLOGY TO JV BRASKEM IDESA FOR HIGH-EFFICIENCY LDPE PRODUCTION

CLARIANT INTRODUCES LICOCARE™ SBW11 TP

SOLVAY AND RHODIA TO INVEST IN CHINA FOR EXPANSION IN ASIA

TOTAL SIGNS MOU WITH KPC FOR INTEGRATED REFINING AND

PETROCHEMICALS PLATFORM IN CHINA

HONEYWELL'S UOP TO EXPAND ADSORBENTS AND CATALYSTS

PRODUCTION AT ALABAMA FACILITY

SONGWON DOUBLES CAPACITY OF OPS RANGE

BASF TO INVEST €150M IN DAHEJ PCPIR, INDIA

DOW AWARDS THIRD AND FINAL LICENSE FOR NEW POLYMERIC FLAME RETARDANT TO ALBEMARLE

KBR TO DESIGN AND BUILD ETHYLENE FURNACE FOR INEOS OLEFINS COMPLEX IN ALVIN

CB&I RECEIVES CONTRACT FOR EXPANSION OF WILLIAMS OLEFINS PETROCHEMICALS PROJECT IN GEISMAR

CEREPLAST LAUNCHES HYBRID 651D RESINS

CUSTOM IMD ANNOUNCES DEVELOPMENT OF PLASTIC SKULL PROSTHESIS BWAY SIGNS AGREEMENT TO SELL PLASTIC BOTTLE BUSINESS TO RING CONTAINER

MONDI GROUP MAKES OFFER TO ACQUIRE THE MINORITY INTEREST IN MONDI SWIECIE S.A.

WIENERBERGER SIGNS AGREEMENT TO ACQUIRE SOLVAY'S STAKE IN PIPELIFE

POLYONE GLS ADDS THREE NEW MATERIALS TO ITS VERSALLOY™ HC PORTFOLIO

BAYER MATERIALSCIENCE SHOWCASES PRODUCTS AT VDI CONFERENCE ON"PLASTICS IN AUTOMOTIVE ENGINEERING"

LUKOIL GETS OFFER OF 20% IN THE JOINT VENTURE TO OPERATE ISAB SULZERCHEMTECH COMMISSIONS A PLANT FOR PLA PRODUCTION USING SYNBRA TECHNOLOGY

NOVAMONT AND GENOMATICATO FORM JOINT VENTURE IN EUROPE TO MAKE BUTANEDIOL

PENFORD AND NOVOMER COLLABORATE FOR STARCH PPC

DS SMITH PLC ACQUIRES PACKAGING DIVISION OF SCA

BASF AND RENMATRIX PARTNER FOR PRODUCING BIOPLASTICS USING PLANTROSE TECHNOLOGY

CORTEC LAUNCHES VPCL-386, A HIGH-TECH MICROCORROSION INHIBITING COATING

COMPLETION OF THE PROPOSED DISPOSAL OF SPICERS

DOW INTRODUCES MICROCELLULAR PU TO CHINA

MANULI STRETCH CLOSES SHELBYVILLE PLANT

PERSTORP AND PTT GLOBAL CHEMICAL FORM JV FOR SUPPLY OF

PRODUCTS FOR POLYURETHANE INDUSTRY

ESTABLISHMENT OF JOINT VENTURE COMPANY FOR EPT IN CHINA DRUTEX EXPANDS PVC WINDOW PROFILE PLANT DANA MOLDED PRODUCTS CONSOLIDATES BUSINESS UNDER ONE GREEN ROOF IN \$8 MILLION FACILITY

ENGINEERED PLASTICS COMPONENTS PURCHASES ALLADIN PLASTICS CARDIABIOPLASTICS COOPERATES WITH POLYDENFOLIEN ON SUSTAINABLE PACKAGING FILMS

MIXING NANOTUBES WITH A SPECIFIC POLYMER TO RETAIN ANTIMICROBIAL PROPERTIES

PLASTICS TO PLAY VITAL ROLE IN GROWING INDIAN AUTOMOTIVE SECTOR

DOW CONSTRUCTION CHEMICALS EUROPE HELPS CUSTOMERS THROUGH CAPACITY EXPANSION TO PRODUCE ACRYLIC SOLUTION POLYMERS CORTEC® CORPORATION LAUNCHES VPCI®-126 TRF

BEMIS COMPANY ACQUIRES SHIELD PACK

POLYFLOW'S PROPRIETARY PROCESS TO CONVERT PLASTICS WASTE INTO FUELS AND CHEMICAL INTERMEDIATES

BREVILLE INTRODUCES HOTCUP™ HOT WATER DISPENSER MADE WITH EASTMAN TRITAN™ COPOLYESTER

NOVAMONT TO ANNOUNCE STRATEGIC ALLIANCE WITH AIAB

AMCOR EXPANDS VENTED FILMS APPLICATIONS

BRASKEM AND PETROPERU SIGN AGREEMENT TO ANALYZE THE

FEASIBILITY OF A PETROCHEMICAL PROJECT IN PERU

DAICEL TO ESTABLISH A COMPANY IN SOUTH KOREA TO MANUFACTURE AND SELL AUTOMOBILE AIRBAG INFLATORS

AMCOR CREATES NEW PACKAGING EXPERIENCE

PERSTORP AND PTTGC TO CREATE JV FOR WORLDWIDE MANUFACTURING AND SALES OF PRODUCTS FOR THE POLYURETHANE INDUSTRY ARKEMA SET TO ACQUIRE HIPRO POLYMERS AND CASDA BIOMATERIALS POLYONE LAUNCHES WITHSTAND<sup>™</sup> ANTIMICROBIAL SOLUTIONS WITH SANITIZED® MEDX

LUKOIL AND PETROVIETNAM SIGN COOPERATION AGREEMENT INTERFORA CHOOSES KYNARAQUATEC® FOR NATURAL AIR-CONDITIONING

JOINT VENTURE OF DOW AND MITSUI IN BRAZIL TOWARDS THE CREATION OF BIOPOLYMERS PLATFORM FOR PACKAGING, HYGIENE & MEDICAL APPLICATIONS

BARLUXE LAUNCHES LUXURY DRINKWARE LINE MADE WITH EASTMAN TRITAN™ COPOLYESTER

EASTMAN ACQUIRES TETRAVITAE BIOSCIENCE ASSETS SONOCO RECYCLING PURCHASES AMERICAN RECYCLING OF SOUTH CAROLINA, LLC

AMCOR LAUNCHES WIDE MOUTH ROUND PET JAR FOR FOOD PACKAGING DUPONT PERFORMANCE POLYMERS INTRODUCES THERMOPLASTIC MATERIALS AND DESIGN KNOWLEDGE

AMCOR DISPLAYS CERAMIS® HIGH BARRIER FILMS AT ICE EUROPE TEIJIN DEVELOPS NEW BIOFRONT® FILM AND SHEET VERSIONS OF BIO-PLASTIC ARKEMA PARTNERS WITH RMB FOR RILSAN® PIPE COATING SOLUTION AEP INDUSTRIES INC. ACQUIRES WEBSTER INDUSTRIES ARKEMA DEVELOPS LOTADER® 2200 IMPACT MODIFIER DOW STOPS SALE OF GLOBAL POLYPROPYLENE BUSINESS TO BRASKEM APPE ANNOUNCES STRATEGIES FOR NEW REVOLUTIONARY BARRIER

TECHNOLOGY

APD ACQUIRES MARFRED INDUSTRIES

POLUONE AND JONES ZYLON COLLABORATE FOR MAKING SAFEFOOD SERVICE TRAYS FOR CORRECTIONAL INSTITUTIONS

AMCOR'S STELVIN®--A CROWN IN THE WORLD OF SCREW CAP WINE SONOCO DEVELOPS FIRMACAP(TM) PALLET CAP, A PROTECTION SYSTEM FOR BOTTLES AND CANS ON SHIPMENT

AMCOR TO SHOWCASE BNE FILMS AT MEDICA AND COMPAMED REYNOLDS GROUP HOLDINGS LIMITED ACQUIRES GRAHAM PACKAGING COMPANY INC.

BERRY PLASTICS CORPORATION ACQUIRES REXAM'S SPECIALTY AND BEVERAGE CLOSURES BUSINESS

HUHTAMÄKIOYJ ACQUIRES BRAZILIAN FILMS MANUFACTURER EASTMAN ACQUIRES SCANDIFLEX TO EXPAND PLASTICIZER BUSINESS BERRY PLASTICS CORPORATION ANNOUNCES THE ACQUISITION OF FILMCO PVC PACKAGING BUSINESS

HUHTAMAKI TO CLOSE DOWN FLEXIBLE PACKAGING UNIT IN NEW LYNN, NEW ZEALAND

FP INTERNATIONAL EXPANDS PLANT FOR MINI PAK'R® AIR CUSHION MACHINE

AFEA ROLLS OUT NEW SUPPLY CHAIN SOLUTION

BRASKEM AND BASF SIGN AGREEMENT TO SET UP ACRYLIC COMPLEX IN BRAZIL

SUMITOMO CHEMICALAND XINDONGTAI ESTABLISHE JV FOR POLYPROPYLENE COMPOUND IN THE SUBURBS OF CHANGCHUN, CHINA SONOCO PLASTICS TO STARTNEW RIGID PLASTIC CONTAINER PLANT IN OHIO

EASTMAN COMPLETES ACQUISITION OF STERLING CHEMICALS, INC. EASTMAN ACQUIRES DYNALOY, LLC

BEMIS COMPANY TAKES OVER MAYOR PACKAGING

PLASTIPAK LAYS FOUNDATION FOR MAJOR EXPANSION OF PLASTIC RECYCLING PLANT

SOLVAY TO FORM JV WITH SADARA TO BUILD HYDROGEN PEROXIDE PLANT IN SAUDI ARABIA

EXPANSION OF MDI PRODUCTION AT KUMHO MITSUI CHEMICALS METABOLIX AND CJ CHEILJEDANG ANNOUNCE JOINT DEVELOPMENT AGREEMENT FOR COMMERCIALIZATION OF RENEWABLE C4 CHEMICALS CITROEN DS5 USES TEIJIN'S PANLITE POLYCARBONATE RESIN FOR PLASTIC GLAZING

AMCOR SELLS GLASS TUBING BUSINESS TO NIPRO

TELLES PARTNERS WITH TENOVA BIOPLASTICS FORNEW LINE OF BIOBASED FILM FOR COMPOSTABLE BAGS AND PACKAGING SOLUTIONS IN EUROPE

BRASKEM TO PURCHASE NAPHTHA MADE FROM POST-CONSUMPTION RECYCLED PLASTIC

EASTMAN EXTENDS RELATIONSHIP WITH CHEMPOINT.COM FOR EXPANDED OFFERINGS

SAUDI POLYMERS JV COMPLETES CONSTRUCTION OF INTEGRATED PETCHEM COMPLEX

POLYPLASTICS ESTABLISHES A NEW COMPANY FOR COMPOUNDING IN CHINA

MITSUI EXPANDS AUTOMOTIVE USE POLYPROPYLENE PRODUCTION IN NORTH AMERICA

SONOCO ACQUIRES ROBINSON PAPERBOARD PACKAGING ASSETS ARKEMA ACQUIRES CRAY VALLEY AND COOK COMPOSITES POLYMER RESINS AND SARTOMERPHOTOCURE RESINS FROM TOTAL

WAVIN SELLS KULKER SAS TO RYB

DAICEL ANNOUNCES COMPANY NAME CHANGE AND ESTABLISHMENT OF THE GROUP SYMBOL

"TOBOLSK-POLYMER" FINANCING PROJECT DECLARED "DEAL OF THE YEAR 2010" BY "TRADE FINANCE" MAGAZINE

"SUZUTORA CORPORATION" RENAMED "SEKISUI NANO COAT TECHNOLOGY CO., LTD."

EASTMAN TO ACQUIRE STERLING CHEMICALS

MEDICA S.P.A. INTRODUCES DIALYZERS WITH HOUSINGS MADE OF EASTMAN TRITAN<sup>TM</sup> COPOLYESTER

MINNTECH® INTRODUCES HEMOCONCENTRATORS AND HEMOFILTERS FEATURING HOUSINGS MADE WITH EASTMAN TRITAN™ COPOLYESTER NESTLÉ SETS NEW TREND IN PACKAGING USING BIOPLASTICS

MITSUI CHEMICALS ANNOUNCES COMMENCEMENT OF COMMERCIAL

OPERATIONS AT FOSHAN MITSUI CHEMICALS POLYURETHANES CO., LTD. IN CHINA

SABIC SIGNS TECHNOLOGY AGREEMENT WITH MONTEFIBRE FOR FULLY INTEGRATED CARBON FIBER PROJECT IN SAUDI ARABIA

NOW POLYAMIDE IS INTRODUCED WITH NATURAL FEEDSTOCKS TESSENDERLO GROUP SELLS PVC AND CHLOR-ALKALI BUSINESS TO KERLING

BASF INCREASES COMPOUNDING CAPACITY FOR ULTRAMID AND ULTRADUR

STYRENE MALEIC ANHYDRIDE (SMA) IS AN EXCELLENT COMPATIBILIZER FOR ABS || PMMA

BETTER PEDESTRIAN BRIDGES

MATRICA, THE JV BETWEEN POLIMERI EUROPA (ENI) AND NOVAMONT CREATED IN RECORD TIME

BAYER MATERIAL SCIENCE LLC USES POLYCARBONATE

BASF'S PU SOLUTIONS ALLOW STRONG AND LONG WINDSHIELD FOR OPEL

SCHOTT AND BASF DEVELOPED ROOF-INTEGRATED PHOTOVOLTAIC PANEL

EMERGENT TECHNOLOGIES SET WITH PTI

BOTTLEDWATER BANNED AT CANADA

MEDALIST® ELASTOMERS NOW MUCH USED

LYONDELLBASELL PLANS PURCHASE OF OLEFINS PIPELINE SYSTEM EQUATE ADDS HSE EXCELLENCE AWARD 2011 TO ITS AWARDS GALORE SABIC AND MITSUBISHI RAYON FORM JV TO BUILD MMA AND PMMA PLANTS IN SAUDI ARABIA

BASF SE AND INEOS JOINT VENTURE FOR GLOBAL STYRENICS MARKET BASF AND INEOS SIGN JOINT VENTURE CONTRACT TO FORM STYROLUTION

LUKOIL MEMBER LAUNCHES PVC PRODUCTION AT KARPATNEFTEKHIM WAVIN PLANS TO SELL EUROCERAMIC TO STEINZEUG GMBH BOROUGE INTRODUCES PATENTED D" BORSTAR ENHANCED FB1350 FOR GEOMEMBRANES.

BOROUGH LAUNCHES RG468MO—A VALUE ADDITION TO FOOD PACKAGING SECTOR.

SONOCO PARTNERS WITH CLEMSON UNIVERSITY FOR READYGROW (TM) PLANTER

BOROUGE, AN ANSWER TO MANY OF CHINA'S INDUSTRIAL CHALLENGES POLYPIPE LAUNCHES ROOF TO RIVER® SYSTEM FOR RECLAIMED WATER INSTALLATION OF INFRASTRUCTURE PIPES MADE EASY BY BOROUGE POLYONE UNVEILS GEON™ SF SUPERIOR FLOW RIGID VINYL FOR ENHANCED DESIGN FREEDOM AND OPERATIONAL EFFICIENCY SABIC AND SINOPEC COLLABORATION IN POLYCARBONATE PLANT IN CHINA

WIPAK USES CARDIABIOHYBRID TECHNOLOGY TO LAUNCH SUSTAINABLE FOOD PACKAGING FILMS

SABIC AND EXXONMOBIL'S JV KEMYA SIGN AGREEMENT WITH CONTINENTAL CARBON COMPANY FOR TECHNOLOGY LICENSE AND MARKET PART PRODUCTION

ENAP SELLS 40% HOLDING IN ENERGIAANDINA S.A.

SEKISUI CHEMICAL ACQUIRES SUZUTORA

SABIC, ASAHI AND MITSUBISHI IN PARTNERSHIP FOR FIRST ACRYLONITRILE AND SODIUM CYANIDE PROJECTS IN THE MIDDLE EAST BOREALIS INVESTS EUR 7.8 MILLIONS FOR CONVERSION OF NAPHTHA CAVERN TO BUTANE USE (SWEDEN)

TEIJIN'S BIOFRONTTM HEAT-RESISTANT BIOPLASTIC FOR USE IN BOSTON CLUB'S JAPONISM EYEGLASS FRAMES

EUROPEAN PVC INDUSTRY MEETS TEN YEAR TARGETS ON SUSTAINABLE DEVELOPMENT

LUKOIL ENTERS ITALY RETAIL MARKET HPRC BY JOHNSON & JOHNSON, DUPONT

MONDI GROUP'SPROPOSAL TO DEMERGE MPSA

BRASKEM LAYS FOUNDATION FOR NEW PVC PLANT

MITSUI CHEMICALS, INC.ACQUIRES ACOMON AG

SIBUR CHOOSES MILLAD® NX8000 FOR NEW PACKAGING APPLICATIONS SIMPLY FUNCTIONAL LAUNCHES CHIASMART® LINE OF SALSA IN NEW 120Z RING NECK PET CONTAINER FROM AMCOR

CNOOC SIGNS SPAS TO ACQUIRE TULLOW'S ONE THIRD INTEREST IN EXPLORATION AREAS 1, 2 AND3A IN UGANDA

PHTHALATE MODIFIED IS MORE ECO-FRIENDLY

PERSTORP LAUNCHES EASAQUA™ POLYISOCYANATES FOR MAXIMUM HUMIDITY RESISTANCE

PERSTORP ROLLS OUT NEW PORTFOLIO OF HIGH PERFORMANCE ADHESIVES AND SEALANTS

CHEVRON PHILLIPS CHEMICAL TO UNDERTAKE FEASIBILITY STUDY FOR ETHANE CRACKER IN THE U.S. GULF COAST

NEOS OXIDE PLANS TO EXPAND ETHYLENE OXIDE AND ETHYLENE OXIDE DERIVATIVES BUSINESS IN US

EASTMAN ANNOUNCES DISCONTINUATION OF MANUFACTURE OF DEP AND DBP PLASTICIZERS

SAUDI KAYAN'S TRIAL RUNS OF POLYCARBONATE PLANT IN JUBAIL INDUSTRIAL CITY

STERN TESTS FOR CORRUGATED HDPE PIPES

TEIJIN LAUNCHES WORLD'S FIRST MASS PRODUCTION TECHNOLOGIES FOR CARBON FIBER REINFORCED PLASTIC

DUPONT AND LANXESS TOWARDS EXPANSION OF THEIR COMPOUNDING CAPACITY

MCI AND TEIJIN FORM JV "MCT PET RESIN"

MCI AND TEIJIN ESTABLISH 'MCT PET RESIN', A JOINT VENTURE FOR DOMESTIC PET RESIN FOR BOTTLES

CLONDALKIN GROUP ACQUIRES THE PRINTED COMPONENTS BUSINESS OF CATALENT PHARMA SOLUTIONS

SECCO SUCCESSFULLY DEVELOPS GPPS152 FOR REFRIGERATOR DRAWERS BRASKEM GETS CADE APPROVAL OF QUATTOR ACQUISITION

ASAHI KASEI CHEMICALS ANNOUNCES MERGER OF SANYO PETROCHEMICAL CO., LTD.

EASTMAN EXPANDS CAPACITY FOR ITS EASTMAN 168™ NON-PHTHALATE PLASTICIZER

DOMESTIC PLASTICS BARRED

DUPONT AND NIKE GOLF COLLABORATE TO REINVENT GOLF BALL TECHNOLOGY

MONDI SWIECIE S.A. PLANSTO ACQUIRE SATURN MANAGEMENT SP. Z O.O. EASTMAN COMPLETES SALE OF PERFORMANCE POLYMERS PET BUSINESS TO DAK AMERICAS

SEKISUI CHEMICALS ACQUIRES US-BASED GENZYME CORPORATION'S DIAGNOSTICS BUSINESS

SAUDI KAYAN SIGNS AGREEMENT FOR JOINT VENTURE TO BUILD N-BUTANOL FACILITY

POLYPIPE WINS 'GONG' AT PLASTIC INDUSTRY AWARDS

ARKEMA AND INES COLLABORATE FOR DEVELOPMENT OF POLYMERS FOR PHOTOVOLTAICS

INEOS AND SINOPEC SIGN MOU ON A JOINT VENTURE FOR A PHENOL PLANT IN NANJING, CHINA

INDORAMA/ELEME CONTRIBUTES TO NIGERIA'S NON-OIL EXPORT ASAHI KASEI CHEMICALS ENHANCES ACRYLONITRILE PRODUCTION IN KOREA

BOROUGE GIVES NEW LEASE OF LIFE TO STEEL PIPELINES OF THE OIL AND GAS INDUSTRY.

BOROUGE'S 'BORMOD BH975MO' REVOLUTIONIZES RIGID THIN WALLED PACKAGING

BOROUGE'S IMPRESSIVE PIPELINE APPLICATIONS OF LARGE DIAMETER POLYOLEFINS

PERSTORP ACQUIRES ASHLAND'S PENTA BUSINESS

HUHTAMAKI DIVESTS RIGID PLASTIC CONSUMER GOODS PACKAGING OPERATIONS IN EUROPE

EASTMAN RESTARTSOLEFIN CRACKING UNIT AT LONGVIEW SITE RELIANCE INDUSTRIES AND SIBUR ANNOUNCE JOINT VENTURE FOR BUTYL RUBBER IN INDIA

BWAY HOLDING COMPANY ACQUIRES PHOENIX CONTAINER, INC. BASF EXPANDS SUPERABSORBENT POLYMER PLANTS IN ANTWERP AND FREEPORT

DUPONT AND EVERBRIGHT COLLABORATE FOR LARGEST THIN FILM SOLAR ROOFTOP INSTALLATION IN CHINA

PERSTORP LAUNCHES NEW CHARMOR™ PP100

LUKOIL AND NALCO FORM JV TO PRODUCE CHEMICAL REAGENTS SASOL PLANS TO BUILD WORLD'S FIRST ETHYLENE TETRAMERISATION UNIT IN LOUISIANA

BASF AND INEOS TO FORM 'STYROLUTION'—A GLOBAL STYRENICS COMPANY

EASTMAN COMPLETES BENZOFLEX™ PLASTICIZER EXPANSION AT ESTONIA SITE

BASF TO PURCHASE CRI/CRITERION'S STYRENE CATALYSTS BUSINESS CARDIABIOPLASTICS WORKS WITH NESTLE TO REDUCE ENVIRONMENTAL IMPACT OF PACKAGING

SABIC AND LUMMUS TECHNOLOGY SIGN FOR JOINT DEVELOPMENT OF TOLUENE METHYLATION TECHNOLOGY

ARKEMA INVESTS \$110M FOR ACRYLICS BUSINESS IN THE US SEKISUI CHEMICAL DEVELOPS "GINOVER" FOR HIGH-SPEED TRANSMISSION

ROMPETROL PETROCHEMICALS, ROMANIA'S FIRST INTEGRATED COMMAND AND CONTROL CENTER FOR PETROCHEMICAL PLANTS SNC LAVALIN AND HIP-PETROHEMIJA SIGN SERVICE AGREEMENT AMERICAN PACKAGING CORPORATION INVESTS \$16.5M FOR EXPANSION HH THE EMIR OF QATAR INAUGURATES Q-CHEM II IN MESAIEED INEOS AND BRASKEM ENTER INTO STRATEGIC PARTNERSHIP FOR PE TECHNOLOGY

LA SEDA DE BARCELONA AND CEPSA QUÍMICA, S.A ACQUIRES PET PLANT IN SAN ROQUE

EASTMAN TO ENTER INTO JV FOR CELLULOSE DIACETATE COMPOUNDING JV IN CHINA

ARKEMA OPTS FOR TETRACHIM AS EUROPEAN DISTRIBUTOR OF KYNAR® ADX POWDER COATING PRODUCT RANGE

DOW LAUNCHES SEALUTION™ PEEL POLYMERS

DOW LAUNCHES DURELAST™ BATHTUB REINFORCING SYSTEM

DOW INTRODUCES NEW GRADES FOR HOT MELT ADHESIVES INDUSTRY

SONOCO CONSOLIDATES PLASTICS OPERATIONS UNDER BRAND SONOCO PLASTICS

MCI AND SINOPEC TO ESTABLISHNEW EPT JOINT VENTURE COMPANY AND PRODUCTION PLANT IN CHINA

EASTMAN TO SELL PERFORMANCE POLYMERS PET BUSINESS BWAY HOLDING PURCHASES PLASTICIAN, INC.

CHEVRON PHILLIPS CHEMICAL OBTAINS APPROVAL FOR 1-HEXENE PLANT IN TEXAS

BULLARD® PIONEERS INDUSTRIAL FACESHIELD MADE WITH EASTMAN TRITAN<sup>TM</sup> COPOLYESTER

ARKEMA ACQUIRES PIEZOTECH

AMCOR ACQUIRES B-PACK DUE

BOROUGE INAUGURATES MARKETING AND SALES COMPANY IN BEIJING ARKEMA'SKYNAR® PVDF GRADES SHOWCASED AT BATTERIES 2010 SIBUR AND NOVATEK SEAL DEAL FOR ACQUISITION OF NOVATEK-POLYMER

HUHTAMAKI TO SELL THE MAJORITY OF ITS EUROPEAN RIGID PLASTIC CONSUMER GOODS OPERATIONS

ARKEMA AND PURAC COLLABORATE FOR LACTIDES-BASED BLOCK-COPOLYMERS

COATEX AND TONGJI UNIVERSITY SIGN COOPERATION AGREEMENT DUPONT PERFORMANCE POLYMERS DEVELOPS NEW POLYMER FOOD CONTACT PRODUCTS

IWASAKI ELECTRIC AND TEIJIN DEVELOP WORLD'S FIRST ALL-PLASTIC LED LAMP FOR OUTDOOR ILLUMINATION

ADVANCED DRAINAGE SYSTEMS (ADS) LAUNCHES STORMTECH DC-780 ARKEMA POLYMERS FOR PHOTOVOLTAICS SECTOR

PETRONAS TO ACQUIRE BP'S INTERESTS IN MALAYSIAN EMSB AND PEMSB DS SMITH ACQUIRES CARLYLE'S SHARES IN OTOR

INEOS SELLS GLOBAL FILMS BUSINESS TO BILCARE AG

HAIN CELESTIAL GROUP CONVERTS AVALON ORGANICS® LINE TO 100% PCR PET BOTTLES FROM AMCOR RIGID PLASTICS

EASTMAN CHEMICAL LAUNCHES NEW POLYMER FOR FACE SHIELD APPLICATIONS

SIBUR LAUNCHES «KANVALAN» BRAND OF NON-WOVEN GEO-TEXTILES

MITSUI CHEMICALS AND TEIJIN TO INTEGRATE DOMESTIC PET RESIN FOR BOTTLES OPERATIONS

ENAP PLACES BOND FOR US\$ 500 MILLION ON INTERNATIONAL MARKET AMCOR COMPLETES ACQUISITION OF BPAA

INEOS GROUP AGREES TO SELL GLOBAL FILMS BUSINESS TO BILCARE AG BEMIS ROLLS OUT FRESHCASE® FILM

MASSIVE EQUIPMENT FOR POLYPROPYLENE PRODUCTION COMPLEX ARRIVES IN RUSSIA

BEMIS SELLS DISCONTINUED OPERATIONS TO EXOPACK CEDEX PLASTICS TO OFFICIALLY LAUNCH CO-EXTRUDED FILM

PRODUCTION

TEIJIN CHEMICALS ENTERS ELECTRONIC PAPER MARKET WITH TRANSPARENT CONDUCTIVE FILMS

PETRO RABIGH SIGNS AGREEMENT WITH SAIC AND TASNEE TO START "POLYOL" PROCESSING PLANTS

DOW AND MITSUI'S JOINT VENTURE FOR CHLOR-ALKALI PRODUCTION SONOCO COMPLETES ACQUISITION OF APT

BOROUGE SIGNS CONTRACTS WORTH US\$ 2.6 BILLION FOR BOROUGE 3 EXPANSION

SAUDI INDUSTRIAL INVESTMENT GROUP AND ARABIAN CHEVRON PHILLIPS PETROCHEMICAL COMPANY ANNOUNCE NEW PROJECTS IN AL-JUBAIL

MIZKAN AMERICAS USES AMCOR'S LONG NECK POWERFLEXTM PET BOTTLE FOR BUCCANEER BLENDS® BARBECUE SAUCES

"POLYMER-TEC G.M.B.H."RENAMED "SEKISUI ALVEO BS G.M.B.H." ARMOR LAUNCHES PROJECT OSCAR IN PARIS

ADVANCED DRAINAGE SYSTEMS (ADS) ACQUIRES INSERTA FITTINGS COMPANY

BEMIS SIGNS AGREEMENT TO SELL MENASHA, WI AND TULSA, OK FACILITIES TO EXOPACK

BEMIS SIGNS AGREEMENT TO SELL TWO FACILITIES TO EXOPACK QINGHAI SALT LAKE INDUSTRY GROUP OBTAINS LICENSES FOR ARKEMA'S PVC PRODUCTION PROCESSES

BLUESTAR CLEANS UP SLURRY PIPELINE IN ARGENTINA

REXAM SELECTS PHILLIPS SUMIKA FOR THE 'QUALITY SUPPLIER OF THE YEAR' AWARD FOR 2009

BEMISANNOUNCES ITS S.A. SUBSIDIARY DIXIE TOGA'S INTENTION TO AUCTION ALL SHARES

TICONA COMPLETES THE ACQUISITION OF ZENITE® LCP AND THERMX® PCT

EASTMAN ACQUIRES GENOVIQUE SPECIALTIES

ARKEMA AND TOYOBO FORM PARTNERSHIP FOR HIGH TEMPERATURE BIO-BASED POLYAMIDES

SAMSUNG TOTAL IMPRESSES AT CHINA PLAS

AMCOR INTRODUCES THE INDUSTRY'S LIGHTEST 16 OUNCE PET SALAD DRESSING CONTAINER

TASNEE SIGNS HEADS OF AGREEMENT BASICS WITH EVONIK TEIJIN CHEMICALS TO INCREASE SALES OF POLYCARBONATE FILM FOR 3D GLASSES

SABIC AND KAUST SIGN AGREEMENT TO LAUNCH RESEARCH AND INNOVATION CENTER

DUPONT AT INTERNATIONAL EXHIBITION ON PLASTICS AND RUBBER INDUSTRIES HIGHLIGHTS ITS LATEST INITIATIVES FOR ASIA PACIFIC CUSTOMERS

TEIJIN CHEMICALS CENTRALIZES POLYCARBONATE BUSINESS OPERATIONS IN CHINA

SHINTECH EXPANDS PVC INTEGRATED PRODUCTION SYSTEM IN PLAQUEMINE, LOUISIANA

SHARQ STARTS COMMERCIAL OPERATION AT EXPANDED AL JUBAIL COMPLEX

SABIC DEVELOPS ADVANCED POLYPROPYLENE CATALYST

ADVANCED DRAINAGE SYSTEMS PURCHASES FOLTZ CONCRETE PIPE COMPANY

SABIC ORGANIZES RED PALM WEEVIL WORKSHOP

AMCOR FLEXIBLES EXPANDS BLOWN FILM CAPABILITIES

"TRILENE" CERTIFICATED AS "HALAL" IN INDONESIA

ASAHI KASEI CHEMICALS SETS UP SALES SUBSIDIARY FOR PERFORMANCE PLASTICS IN GUANGZHOU

ROMPETROL PETROCHEMICALS INVESTS OVER USD 18 MILLION FOR HDPE INSTALLATION CAPACITY

JM EAGLE ADDS \$20 MILLION TO ITS \$350 MILLION CAPITAL INVESTMENT IN PLASTIC PIPE INDUSTRY

LA SEDA DE BARCELONA DEVELOPS THE FIRST RECYCLABLE PET FOR THE AUTOMOTIVE SECTOR

ADVANCED DRAINAGE SYSTEMS WHOLLY OWNS STORMTECH LLC FP INTERNATIONAL UNVEILS BIODEGRADABLE PILLOW PAK® AIR CUSHIONS

DUPONT PERFORMANCE POLYMERS INTRODUCES NEW NYLON - DUPONT<sup>TM</sup> ZYTEL® PLUS NYLON

MURASAKI STAFF TO WEAR SILK CREPE KIMONOS MADE WITH TEIJIN'S ECO-FRIENDLY BIOFRONT™ BIO-PLASTIC

ADVANCED DRAINAGE SYSTEMS WHOLLY OWNS STORMTECH LLC BEMIS ACQUIRES ALCAN PACKAGING FOOD AMERICAS

EASTMAN CHEMICAL COMPANY EXPANDS MEDICAL POLYMER PORTFOLIO

AMCOR ACQUIRES ALCAN PACKAGING

AMCOR INTRODUCES A NEW GLOBAL BRAND

SIGMA PLASTICS GROUP ANNOUNCESADDITION OF ITS LATEST MEMBER,

MCNEELY PLASTIC PRODUCTS, INC.

WORLD'S FIRST FACILITY TO CONVERT CORNCOBS AND BIOENERGY

CROPS TO CELLULOSIC ETHANOL OPENS

ARKEMA INTEGRATES ARCYLIC ASSETS

ARAK PETROCHEMICAL COMPLEX LAUNCHES INDUSTRIAL WASTE INCINERATOR

SABIC SIGNS FINANCING AGREEMENTS FOR JOINT VENTURE PETROCHEMICAL COMPLEX IN CHINA

EASTMAN ACQUIRES SPECIALTY POLYMERS MANUFACTURING FACILITY IN CHINA

EASTMAN CHEMICAL COMPANY TO LAUNCH DESIGN COLLABORATION WITH DD STUDIO AT MD&M WEST

BERRY PLASTICS CORPORATION ACQUIRES SUPERFOS PACKAGING INC. HN DISTRIBUTION CHAIN SIGNS COMMERCIAL CONTRACT WITH ENAP TOBOLSK-POLYMER LCC AND LINDE-KCA-DRESDEN GMBH CONCLUDE EPC CONTRACT FOR SIBUR

ANHUI HWASU ACQUIRES LICENSE FOR ARKEMA PVC PRODUCTION PROCESS

LEXUS LFA ADOPTS CARBON FIBER-REINFORCED PLASTICS OF TOHO TENAX

BERRY PLASTICS CORPORATION ACQUIRES PLIANT CORPORATION SONOCO ACQUIRES ASSETS OF ECONOREEL(TM) PLASTIC SPOOLS AND REELS

TEIJIN CHEMICALS TO ESTABLISH CENTRALIZED MOBILITY BUSINESS PROJECT TO EXPAND AUTOMOTIVE MARKET FOR PANLITE® ENAP SIGNS NEW COMMERCIAL CONTRACT WITH TERPEL

HUHTAMAKI COMPLETES SALE OF RIGID PLASTIC CONSUMER GOODS BUSINESS IN AUSTRALIA

EUROPEAN COMMISSION FINES ARKEMA FOR PAST ANTI-TRUST PRACTICES IN THE HEAT STABILIZER MARKET

DENKA AND SEKISUI CHEMICALS TO JOINTLY LAUNCH POLYVINYL ALCOHOL RESIN PLANT

ARKEMA PLANS TO CLOSE ONE PRODUCTION UNIT AT BALAN SITE ARKEMA ENHANCES PRODUCTION CAPACITY AT CALVERT KYNAR® PVDF PLANT

INEOS TECHNOLOGIES OBTAINS LICENSE CONTRACTS FOR PP AND HDPE TECHNOLOGY IN CHINA

INEOS NITRILES ANNOUNCES BREAKTHROUGH IN TECHNOLOGY FOR GLOBAL ACETONITRILE SUPPLY

SONOCO LAUNCHES NEW FIRMA(TM) BRAND CARRIERS AND PALLET COMPONENTS PRODUCT LINE

SONOCO LAUNCHES NEW FIRMA(TM) BRAND CARRIERS AND PALLET COMPONENTS PRODUCT LINE

SONOCO LAUNCHES TRUE BLUE(TM) SUSTAINABILITY BRAND ARKEMA TO CONSTRUCT NANOTUBE PILOT PLANT IN FRANCE SHIN-ETSU CHEMICAL DEVELOPS SILICONE PRODUCTSFOR HIGH BRIGHTNESS LEDS

TEIJIN AND NANOGRAM DEVELOP WORLD'S FIRST SILICON-ON-PLASTIC INTEGRATION TECHNOLOGY

ARKEMA TO PURCHASE CERTAIN LATEX ASSETS AND ACRYLATES FROM DOW

ARKEMA CONSTRUCTS PRODUCTION PLANT IN CHINA

NATUREWORKS AND AVANTIUM COLLABORATE FOR NEW GENERATION OF BIOBASED POLYMERS

SIGMA PLASTICS GROUP AND FLEXSOL PACKAGING CORP ANNOUNCE STRATEGIC PARTNERSHIP

BEMIS SET TO ACQUIRE ALCAN PACKAGING FOOD AMERICAS CARGILL ACQUIRES TOTAL OWNERSHIP OF NATUREWORKSFROM TEIJIN SECCO'S ETHYLENE PLANT RESTARTS AFTER MAINTENANCE AND EXPANSION

HUHTAMAKI SELLS EXPANDED POLYSTYRENE PACKAGING BUSINESS IN AUSTRALIA

EASTMAN LAUNCHES EASTMAN™ DBT, NEW NON-PHTHALATE PLASTICIZER IN EU

HUHTAMÄKIOYJ SOLD ITS EXPANDED POLYSTYRENE (EPS) PACKAGING BUSINESS LOCATED IN ALBURY

EASTMAN OPENS NEW TPE APPLICATION DEVELOPMENT CENTER CBICC SIGNS CONTRACT WITH QENOS FOR PURCHASE OF LLDPE NATUREWORKS LLC PARTNERS WITH ASHLAND FOR RESIN DISTRIBUTION IN NORTH AMERICA

BEMIS ACQUIRES SOUTH AMERICAN RIGID PACKAGING OPERATIONS FROM HUHTAMAKI OYJ

EASTMAN EXPANDS REGALITE™ HYDROGENATED HYDROCARBON RESIN PRODUCTION AT THE MIDDELBURG FACILITY IN THE NETHERLANDS BROOKLYN BOTTLING OFFERS SQUEEZ'R® BEVERAGES IN NEW PET BOTTLES

WESTLAKE CHEMICAL ELECTS DIRECTORS AND DECLARES CONTINUED QUARTERLY DIVIDEND

RENJIANXIN RANKED AMONG CHINA'S 25 MOST POWERFUL PEOPLE IN BUSINESS

EXOPACK AND INDEVCO ESTABLISH JOINT VENTURE

PETRO RABIGH ANNOUNCES START-UP OF ETHANE CRACKER UNIT AT RABIGH

EASTMAN LAUNCHESSOLUS™ PERFORMANCE ADDITIVES FOR VOC COMPLIANT COATINGS APPLICATIONS

PETROCHINA ACQUIRES KEPPEL'S ENTIRE STAKE IN SINGAPORE PETROLEUM COMPANY

MAZDA'S PREMACY HYDROGEN RE HYBRID USES CAR SEAT FABRIC MADE OF BIOFRONT™ BIO-PLASTIC

UNIPETROL RPA TO SHOWCASE KEY PRODUCTS AT PLAST09 TRADE FAIR IN MILAN

EXOPACK LAUNCHES NEW RAVE™ PORTFOLIO OF DOMESTICALLY WOVEN POLYPROPYLENE BAGS

ARKEMA'S PROPOSED CLOSURE OF METHYL ETHYL KETONE PLANT

DENSO ENGINEERING AND DUPONT R&D DEVELOPS A NEW RENEWABLY-SOURCED POLYMER

AMCOR AND TRADEWINDS UNITE TO DELIVER ADVANCED-TECHNOLOGY PACKAGING

ARKEMA AND DYNEON SIGN LONG-TERM AGREEMENT FOR SUPPLY OF HCFC22 IN EUROPE

ROMPETROL PETROCHEMICALS RESTARTS HDPE INSTALLATION EASTMAN CHEMICAL COMPANY LAUNCHES NEW FAMILY OF MEDICAL-GRADE POLYMERS

ARKEMA SELLS VINYL COMPOUNDING ACTIVITY TO INDUSTRIEGENERALI SPA

ARKEMA ACQUIRES OXFORD PERFORMANCE MATERIALS

DUPONT CREATES A CENTER OF EXCELLENCE FOR ITS ENGINEERING POLYMERS BUSINESS IN INDIA

CECA TAKES OVER WINKELMANNMINERARIA

HAWAII MEDICAL INTRODUCES GUMDROP™ PACIFIER MADE WITH EASTMAN TRITAN™ COPOLYESTER

ROMPETROL PETROCHEMICALS RESTARTS LDPE PLANT

STOROPACK AND TEGRANT CORPORATION'S THERMOSAFE BRANDS

COLLABORATE FOR THERMOSHIPPERS

FORMOSA PLASTICS CORPORATION WINS VINYL INSTITUTE

ENVIRONMENTAL PERFORMANCE AWARDS

INEOS FLUOR WINS PATENT DISPUTE WITH SINOCHEM

AEP INDUSTRIES INC. ACQUIRES PLASTIC FILMS SEGMENT OF ATLANTIC PLASTICS, INC.

ADM AND POLYONE COLLABORATE FOR DEVELOPMENT OF BIO-BASED PLASTICIZER TECHNOLOGIES

HONAM PETROCHEM TO MERGE WITH LOTTEDAESAN IN '09 BUY OUT CE II ACQUIRES CHEMSON POLYMER-ADDITIVE AGIN ARNOLDSTEIN

CHEMSON OPENS NEW PRODUCTION PLANT IN AUSTRIA PETROHEMIJA EXCEEDS TARGET IN ANNUAL PRODUCTION

PETROHEMIJA IN SECOND POSITION IN THE LIST OF "TOP 300 EXPORTERS" PRODUCT LAUNCHES

DOW AND AKSA AGREE ON JOINT VENTURE FOR CARBON FIBER AND DERIVATIVES

DOW AND AKSA AGREE ON JOINT VENTURE FOR CARBON FIBER AND DERIVATIVES

SOLVAY XOMMENCES THE PRODUCTION OF SPECIALTY POLYMERS COMPOUNDS IN CHINA

ENTERPRISE TO CONSTRUCT 750,000 TPA POLYMER-GRADE PROPYLENE PLANT IN TEXAS

SABIC DEVELOPS NEW HDPE TEST SHTM

NEW SHAPE MEMORY POLYMER DEVELOPED USING THERMOPLASTIC POLYURETHANE

GLASS-LIKE COLOURS INTRODUCED FOR POLYMER APPLICATIONS

NEW RESEARCH FINDINGS RECOMMEND POLYMERS TO STABILIZE PROTEINS

LOW-COST, HIGH-YIELD PROCESS FOR PET PRODUCTION NATPET UPGRADES TELDENE® RANGE OF HIGH-CLARITY POLYPROPYLENE RANDOM COPOLYMERS

NEW EUPR GUIDELINES FOR HDPE BOTTLES TO PROMOTE HDPE RECYCLING

TEKNOR APEX DEVELOPS BIOVINYL, A NEW RANGE MADE FROM BIO-BASED PLASTICIZERS

CEREPLAST TO INTRODUCE NEW CATEGORY OF EVA AND STARCH HYBRID COMPOUNDS

DOW PLANS TO LAUNCH NEW HYPERLAST<sup>™</sup> AND DIPRANE<sup>™</sup> NON-MERCURY CATALYZED POLYURETHANE ELASTOMER PRODUCT LINE SEATTLE BANS SINGLE-USE PLASTIC CARRYOUT BAGS

TOYOTA'S GREEN INITIATIVES WITH BIOPLASTICS

POLYONE INTRODUCES GEON™ ADEPT HOMOPOLYMER VINYL DISPERSION RESIN

ARKEMA ANNOUNCES PLAN TO DIVEST VINYL PRODUCTS ACTIVITIES GOBILAB UNVEILS THE GOBI, AN ECO-FRIENDLY WATER BOTTLE MADE WITH EASTMAN TRITAN COPOLYESTER

AMCOR LAUNCHES NATUREPLUS RENEWABLE FOR THE COFFEE MARKET MASTRAD INTRODUCES MULTI-LEVEL STEAM COOKER MADE WITH EASTMAN TRITAN™ COPOLYESTER

ALTUGLAS LAUNCHES ALTUGLAS® SHIELDUP ACRYLIC SHEET TEIJIN TO LAUNCH SCINTIREX™, REVOLUTIONARY LOW-COST RADIATION-FLUORESCENT PLASTIC FOR RADIATION DETECTORS ARKEMA'S POLYMERS FOR OPTIMAL PHOTOVOLTAIC PANEL EFFICACY MITSUI CHEMICALS' NEW FACILITIES TO PRODUCE ACETONE-BASED ISOPROPYL ALCOHOL AT OSAKA WORKS

ADAGIO MAKES INGENUITEA TEAPOTS WITH EASTMAN TRITAN™ COPOLYSTER

MITSUI CHEMICALS LAUNCHES NEW NOTIO™SN SYNDIOTACTIC ELASTOMER

PLASTIPAK SHOWCASES THERMOSHAPE<sup>TM</sup> AT NOVA-PACK 2011 CONFERENCE

LYONDELLBASELL LAUNCHES LUPOTECH3420J AND LUPOLEN 3426J, TWO NEW LDPE RESINS

BOREALIS AND BOROUGELAUNCHES HIGH DENSITY POLYETHYLENE, BORMED™ HE9601-PH

RAZBABY INTRODUCES VAPOR-RAZ<sup>™</sup> AROMATHERAPY PACIFIER CLIP AND HOLDER MADE WITH EASTMAN TRITAN<sup>™</sup> COPOLYESTER POPEALIS AND POPOLICE'S LICUTWEICHT POLYPROPYLENE

BOREALIS AND BOROUGE'S LIGHTWEIGHT POLYPROPYLENE

INNOVATIONS FOR AUTOMOTIVE INDUSTRY

BOREALIS PRESENTS NEW GENERATION FILM MATERIALS IN NORDIC FILM AND EXTRUSION CONFERENCE

DRINIQUE® EXPANDS LINE OF DRINK-WARE MADE WITH EASTMAN TRITAN<sup>TM</sup> COPOLYESTER

POLYONE LAUNCHES VERSAFLEX<sup>TM</sup> FFC 2882-87 GRADE AT CHINAPLAS 2011

POLYONE LAUNCHES ONCAP<sup>TM</sup> UV PROTECTION SOLUTION FOR BUILDING AND CONSTRUCTION

POLYONE SHOWCASES THREE NEW GRADES OF NON-HALOGENATED FLAME RETARDANT TPE SOLUTIONS AT CHINAPLAS 2011

DOW INTRODUCESELITE<sup>™</sup>, A BREAKTHROUGH IN POLYETHYLENE RESINS TECHNOLOGY

BAYER MATERIAL SCIENCE PRESENTS IMPRANIL® BRAND

POLYURETHANE (PU) DISPERSIONS AT 2011 TECHTEXTIL

RELIANCE INDUSTRIES STARTS IMPLEMENTATION OF LARGE POLYESTER PROJECTS IN INDIA

DOW LAUNCHES ELITE™ ADVANCED TECHNOLOGY POLYETHYLENE RESINS IN MALAYSIA

BRASKEM LAUNCHES FLEXUS 9212XP RESIN

BRASKEM LAUNCHES TC9008 FOR WIRES AND FLEXIBLE CABLES BASF LAUNCHES KOLLICOAT® SMARTSEAL 30 D AT AAPS ANNUAL MEETING IN LOUISIANA

BASF DISPLAYS ULTRAMID® GRADES (PA) AT K 2010 PLASTICS TRADE FAIR

DOW AND DAVY PROCESS TECHNOLOGY LAUNCH COMPRESS™ PTA TECHNOLOGY

PERSTORP INTRODUCES HOLTAC<sup>™</sup> MICRONIZED POLYOLS FOR LEAD-FREE PVC STABILIZATION

KATHARINE E HAMNETT TO LAUNCH EYEGLASS FRAMES MADE OF TEIJIN'S BIOFRONT™ BIOPLASTIC

TOTAL PETROCHEMICALS LAUNCHES UNIQUE HDPE RESIN SB 1461 FOR ISBM EQUIPMENT

CHEVRON PHILLIPS CHEMICAL LAUNCHES THREE NEW FIBRE RESINS AMCOR RIGID PLASTICS LAUNCHES120Z RING NECK PET CONTAINER TO REPLACE GLASS

TRANSWORLD SIGNS UNVEILS NEW THERMOFORMED SIGNS MADE WITH MUSTANG® COPOLYESTER

EASTMAN INTRODUCES SOLUS<sup>™</sup> 2300 PERFORMANCE ADDITIVE AMCOR PET PACKAGING LAUNCHES 2.50Z HOT FILL BOTTLE REXAM UNVEILS CRYSTAL TRANSPARENCY AND SHATTERS GLASS EASTMAN TO LAUNCH NEW PERFORMANCE ADDITIVE AT CHINACOAT SYNBRAINTRODUCES BIOFOAM®, A NEW BIODEGRADABLE EPS TEIJIN UPGRADES BIOFRONT<sup>™</sup> BIO-PLASTIC'S HYGROTHERMAL RESISTANCE

# E. MARKET TRENDS

WESTERN EUROPEAN MARKET FOR POLYMERS IN HEALTHCARE EQUIPMENT'S

CHINA'S PETROLEUM AND CHEMICAL INDUSTRY PROJECTED TO DISPLAY LESSER GROWTH

IMPORT PVC DEALS TO INDIA CONTINUE TO GAIN

POLYSTYRENE PRICES IN ASIA ON THE INCREASE GLOBALLY DUE TO HIGHER INPUT COSTS

DOMESTIC PVC PRICES FOR AUGUST RISE ON BETTER THAN EXPECTED DEMAND IN SE ASIA

PVC OFFERS FROM USA AND MEXICO TO MAINTAIN THEIR RISE GLOBALLY STRONGER CRUDE AND ETHYLENE SUSTAIN POLYETHYLENE PRICES IN ASIA FOR JULY

AUTOMOTIVE OEMS FAVOUR STRUCTURAL FOAM FOR WEIGHT-REDUCTION AND COST-EFFICIENCY

MALAYSIA LOOKS BEYOND PLASTIC BAG BAN

PET DEMAND RISES IN EUROPE & ASIA

POLYOLEFINS DEMANDS HITS BOTTOM IN ITALY, BUT IMPROVEMENTS EXPECTED

EGYPT'S EPPC PENETRATES PP RAFFIA MARKET, FILM STILL FED BY IMPORTS

DOMESTIC PS SUPPLY LIMITED IN MEDITERRANEAN MARKETS NEW EU CRITERION EXPECTED TO ENHANCE USE OF POST-CONSUMER PLASTICS RECYCLERS

GLOBAL AUTOMOTIVE MAJORS SUPPORT BIOPLASTICS

EUROPEAN PARAXYLENE SELLERS TARGET US AS OUTLET TO OFFLOAD SURPLUS NWE SUPPLIES

MIDDLE EAST DIVERSIFIES ECONOMY WITH ENHANCED FOCUS ON DOWNSTREAM PETROCHEMICALS

MIDDLE EAST GEARING UP FOR TWO NEW LDPE PLANTS AMIDST WEAKENING PRICES

CHINA SET TO INCREASE PET CAPACITIES IN APRIL AND MAY TURKEY'S PET MARKET SEES IMPROVED SENTIMENT

MAJOR INVESTMENTS AND FAVORABLE REGULATIONS BOOST GERMAN BIOPLASTICS MARKET

EXPANSION OF AUTOMOTIVE USE POLYPROPYLENE PRODUCTION IN THAILAND

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