

Global Polymer Design & Compounding Expertise



mcppTM
Power to Perform

Performance Polymers

Strategies for Growth, Performance

Flexibility and Elasticity

TRADEMARK	Characteristic	Application	Examples
Styrene-based Thermoplastic Elastomer RABALON™ TEFABLOC™	<ul style="list-style-type: none"> Excellent elasticity and rubber like characteristic Superior oil resistance Excellent weather and heat resistance Excellent moldability performance Medical and food contact approved types available 	<ul style="list-style-type: none"> Medical Packaging & Food contact Automotive industry Consumer goods 	<ul style="list-style-type: none"> Syringe gasket Sealing & liner for caps Automotive interior Grips

TRADEMARK	Characteristic	Application	Examples
Olefin-based Thermoplastic Elastomer THERMORUN™ TREXPREENE™	<ul style="list-style-type: none"> Wide hardness range available from semi-hard to flexible High in performance moreover lightweight and low in density Recyclable and eco-friendly Has good weather and ozone resistance compared to thermoset rubbers Special profile molding grades (QT and QP series) available 	<ul style="list-style-type: none"> Automotive components Industrial components Goods and commodities Home appliances 	<ul style="list-style-type: none"> Airbag cover Automotive interior skin Profile molding Roof sheet Toothbrush grip

TRADEMARK	Characteristic	Application	Examples
Olefinic Thermoplastic Elastomer ZELAS™	<ul style="list-style-type: none"> Heat resistance that rivals that of homo-polypropylene but is more flexible as well Highly heat resistant yet transparent Highly hygienic with high degree of medical/food sanitation compatibility and homologation support Can function as easy peeling sealant Good compatibility with other polyolefins 	<ul style="list-style-type: none"> Medical bag & bottle Medical equipment Food wrapping Modifier 	<ul style="list-style-type: none"> Infusion solution bag & bottle Pull-top-cap and Syringes etc. Sealant for retortable containers Modifier to improve impact resistance of PP and heat resistance of PE

TRADEMARK	Characteristic	Application	Examples
Polyester-based Thermoplastic Elastomer PRIMALLOY™	<ul style="list-style-type: none"> Excellent heat-bonding/welding to Polar engineering plastics while boasting unrivaled softness and flexibility(A-series) Outstanding heat, oil, abrasion resistance and mechanical strength(B-series) Product lineup with wide range and variety of grade hardnesses and characteristics Highly heat and cold resistant, with high stability of performance and properties throughout a wide temperature range 	<ul style="list-style-type: none"> Automotive components Electric / Communication Miscellaneous daily goods, Industrial goods Modifier 	<ul style="list-style-type: none"> Grips for pens and toothbrushes Seals and grips for power tools and mobile devices Door latch

Adhesiveness

TRADEMARK	Characteristic	Application	Examples
Co-extrudable Adhesive Resin MODIC™	<ul style="list-style-type: none"> Strong and flexible, with high adhesive strength towards polyolefins, PS, PET/EVOH, PA, and metallic materials Good moldability and compatibility for co-extrusion/blown/cast film or sheet, tube, bottle and extrusion coating/laminating molding processes 	<ul style="list-style-type: none"> Multi-layer barrier packaging Compatibilizing agent 	<ul style="list-style-type: none"> Multi-layer Barrier Packaging Material for Foods, Cosmetics, Bottles, Tubes and more Compatibilizing agent for special olefinic compounds

Applications

RABALON™/TEFABLOC™



Syringe gasket

Liner for caps & bottle

Interior parts for automotive

Grips

THERMORUN™/TREXPREENE™



Airbag cover

Control cable coating

Belt seals

Toothbrush

Polymers

Adhesiveness

TRADEMARK	Characteristic	Application	Examples
Polyester-based Adhesive Resin PRIMALLOY™-AP	<ul style="list-style-type: none"> PRIMALLOY-AP provides compatibility and bonding to various substrates of EVOH, PVOH, PA, PET, PLA, PC, PVC, ABS, PS, PMMA and metals PRIMALLOY-AP has good performance as a modifier material 	<ul style="list-style-type: none"> Consumer goods Automotive components Miscellaneous daily goods, Industrial goods Modifier 	Please inquire for more details about usage examples

Easy Peeling

TRADEMARK	Characteristic	Application	Examples
Peelable Sealant Resin MODIC™-Peelable	<ul style="list-style-type: none"> Controllable and stable heat-seal strengths Clean-Peeling Solvent-Free 	<ul style="list-style-type: none"> Peelable sealant Compatibilizing agent 	<ul style="list-style-type: none"> Flexible lidding on rigid containers for food products like Jerry, Yogurt, Cooked rice, and more Compatibilizing agent for special olefinic compounds

Durability

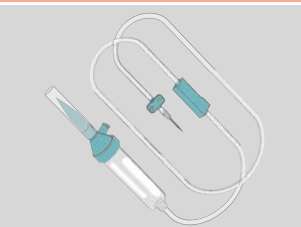



TRADEMARK	Characteristic	Application	Examples
Silane Cross-linkable Resin LINKLON™	<ul style="list-style-type: none"> Crosslinkable with just water and catalyst Heat resistance, chemical resistance, anti-creep properties Strong, stable and waterproof bonding to glass 	<ul style="list-style-type: none"> Wire & Cable Pipe Durables Foams Tubing 	<ul style="list-style-type: none"> Insulation & Jacket Hot water pipe, Floor heating pipe Industrial parts, Battery sealants Cushoning Shrinkable tube

Flame resistivity

TRADEMARK	Characteristic	Application	Examples
Halogen-Free Flame Retardant Polymer Compounds OLEFISTA™	<ul style="list-style-type: none"> Excellent flame resistance as a halogen-free polymer compound Excellent heat resistance, scratch resistance and flexibility Good moldability 	<ul style="list-style-type: none"> Wire & Cable 	<ul style="list-style-type: none"> Hook up wire Flexible cord (earphone cord, wearable cord) Photovoltaic system power cable

Softness

TRADEMARK	Characteristic	Application	Examples
Thermo Elastic PVC SUNPRENE™	<ul style="list-style-type: none"> Good elasticity Good weatherability, oil resistance, chemical resistance and ozone resistance Good moldability 	<ul style="list-style-type: none"> Automotive parts Wire and cable insulation or jacket Home appliances Building and construction 	<ul style="list-style-type: none"> Body sealing parts for automobile Machine tool wire and cables Grip for interior parts of automobile Sealing parts for building

ZELAS™			PRIMALLOY™		
					
Continuous ambulatory peritoneal dialysis system	Drip chamber	Dicing film for Semiconductor assembling	Grips for pen	Sealing for mobile devices	
MODIC™		PRIMALLOY™-AP		MODIC™-Peelable	
					
Multi-layer barrier packaging	Coating materials for 3LPE/3LPP Steel pipe	Food container	Food packaging	Flexible lidding on rigid containers	Modifying agent

Design

TRADEMARK	Characteristic	Application	Examples
Thermo Elastic PVC SUNFROST™	<ul style="list-style-type: none"> High designability (easy control of surface design) Good moldability like that of conventional soft PVCs 	<ul style="list-style-type: none"> Automotive Wire & Cable Home appliance Building 	<ul style="list-style-type: none"> Interior parts Cable jacketing Grip Window profiles

Diversity

TRADEMARK	Characteristic	Application	Examples
PVC Compounds VINIKA™	<ul style="list-style-type: none"> Highly-acclaimed and widely adopted globally, for a wide variety of applications in many different industries Supported by our long-running track record and technical expertise in the PVC market 	<ul style="list-style-type: none"> Automotive Wire & Cable Home appliance Building 	<ul style="list-style-type: none"> Interior and Exterior Power cable and Communication cable Gasket Window profile

Design












TRADEMARK	Characteristic	Application	Examples
Slush Molding Powder MARVYFLO™	<ul style="list-style-type: none"> Highly fluid and flowable slush powder PVC material Excellent tactile touch and feel 	<ul style="list-style-type: none"> Automotive components 	<ul style="list-style-type: none"> Automotive instrument panel skin Automotive door panel skin

Optical and Design Properties

TRADEMARK	Characteristic	Application	Examples
Transparent Bio-based Engineering Plastic DURABIO™	<ul style="list-style-type: none"> High transparency and low retardation Good Coloring support and compatibility Superior surface hardness Good weatherability with extremely low yellowness index High impact resistance Bio-based 	<ul style="list-style-type: none"> Optical Automotive Building and construction Package for cosmetics 	<ul style="list-style-type: none"> Light guide film for display Injection parts Customizable colors for automotive parts without the need for painting process Lighting sheet and plastic laminated steel sheet Bottle and case for cosmetics

Biodegradability

TRADEMARK	Characteristic	Application	Examples
Biodegradable Polyester Resin GS Pla™ Bio PBS™	<ul style="list-style-type: none"> Decomposes into H₂O and CO₂ by microorganism in soil Excellent injection moldability Excellent heat-sealability and printability Biomass resources (Bio PBS) 	<ul style="list-style-type: none"> Agricultural Food Extrusion coating 	<ul style="list-style-type: none"> Mulch film Cutlery, Lid Cardboard cup, Cellophane sheet

LINKLON™		OLEFISTA™		SUNPRENE™		
						
Wire & Cable	Hot water pipe	Power cable	Hook up wire	Machine tool wire	Weather strip, Grommet	
SUNFROST™		VINIKA™		GS Pla™/Bio PBS™		
						
Interior parts of automotive	Communication cable	Rigid PVC (Injection molding)		Rigid PVC (Extrusion and Profiles)		Biodegradable cutlery

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