

Performance Materials Product Portfolio for Industrial Applications

Product	Polymer class	Abbreviation	Key Attributes	Typical Applications
Ultramid® , Capron® Nypel®	Polyamide 6 and 6,6	PA6 and 6,6	<ul style="list-style-type: none"> • High strength • Toughness • Recycled content 	Gears, pumps, conveyors, bearing cages, electrical connectors, circuit breakers, switch bodies, cable ties, tube and hose
Ultramid® Advanced	PPAs	6T/6i, 9T, High Temp PAs	<ul style="list-style-type: none"> • High temperature • Excellent chemical resistance 	Fiber optic cable sheathing, water meter housings, electrical housings, electrical connectors, plumbing components
Ultradur®	Polybutylene terephthalate	PBT	<ul style="list-style-type: none"> • Excellent dimensional stability • Good electrical properties 	Conveyors, food processing equipment, pump impellers, gears, bushings, fasteners, bearing cages
Petra®	Polyethylene terephthalate	PET	<ul style="list-style-type: none"> • Recycled content 	Food service trays, connectors, filtration, fire visors, hot water plumbing fittings, sterilizable trays/ components
Ultraform®	Polyoxymethylene	POM	<ul style="list-style-type: none"> • Excellent sliding friction properties • Broad chemical resistance 	Conveyor belts, animal ear tags, railway wear pads, rollers
Ultrason®	Polyethersulfone Polysulfone Polyphenylene sulfone	PES PSU PPSU	<ul style="list-style-type: none"> • Very high heat resistance • Excellent chemical resistance 	
Elastollan®	Thermoplastic polyurethane Polyester based Polyether based	TPU Ability to tailor products based upon property requirements, can be soft or hard haptics	<p>Aliphatic grades</p> <ul style="list-style-type: none"> • Good color stability • Transparent <p>Polyester based</p> <ul style="list-style-type: none"> • Good chemical resistance <p>Polyether based</p> <ul style="list-style-type: none"> • Good hydrolytic stability 	

For Food Contact and/or Medical applications, please contact your BASF Sales representative.



Product	Polyurethane System	Key Attributes	Typical Applications
Elastocast®	Thermoset Polyurethane: Polyester-, Polyether- and Polycaprolactone-based resins with MDI & TDI Isocyanate prepolymers	<ul style="list-style-type: none"> • Superior abrasion, cut and tear resistance • Superior load bearing capacity • Customization for end use • Excellent hydrolysis resistance • Food contact grades available 	Industrial wheels, rollers, mining screens & scrapers, dunnage, sheets and belting
Elastofoam®	Integral Skin Foams based on MDI & Polyester or Polyether backbone resins	<ul style="list-style-type: none"> • Wide range of foam densities • Wide range of skin durometers • Robust processing on high- and low-pressure equipment 	Dunnage, instrument panels, soft touch & cushioning parts on interior of mobile equipment
Elastocoat®	Polyurea and Polyurea hybrid spray elastomer systems	<ul style="list-style-type: none"> • Wide range of durometers • Excellent chemical resistance • Formulation flexibility to meet application needs • Robust processing on high- and low-pressure equipment 	Truck bed liners, wear liners for chutes and other mining applications, wood pallets, dunnage
Elastolit®	MDI-based RIM and RRIM systems	<ul style="list-style-type: none"> • Lower cost tooling • Wide range of properties to match application • High manufacturing flexibility 	Miscellaneous equipment parts requiring high stiffness and impact resistance

Contacts:

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