

Applications

- Wear strips
- Cutting surfaces
- Sound-dampening pads
- Chute, hopper liners
- Gaskets, seals, belts
- Rollers, roller covers

Advantages

- Excellent oil, solvent resistance
- Higher load bearing capacity than rubber
- Abrasion resistant
- Heat and cold resistant
- Extremely high flex life
- Superior tear resistance than rubber
- Weather resistant
- Improved noise abatement/reduction over rubber

Polyurethane Polyurethane [Polyurethane]

Polyurethane (PP) is a versatile engineering material with a combination of rubber's elasticity and the toughness and durability of metal. This material offers superior impact resistance, excellent wear properties and elastic memory./

Polyurethane's broad hardness range (eraser-soft to bowling-ball-hard), allows the engineer to replace rubber, plastic, and metal in sleeve bearings, wear plates, sprockets, rollers, and various other machinery parts. Benefits from this substitution include weight reduction, noise abatement, wear improvements, and reduced plant maintenance and OEM product cost. Many applications using this ultra-tough material have cut down-time, maintenance time, and significant cost reduction of parts. Additional properties include greater oil, solvent, abrasion and tear resistance, as well as good impact strength, low compression set and excellent bearing capacity. Polyurethane, available in sheets, rods and tubes are tough, crack-resistant, and lasts significantly longer than conventional rubbers and plastics. We provide custom diameters, lengths, hardness, and colors with little or no tooling costs.

Brand Names

Hercothane, Nalgene® 280, 290, Petrothane, Pureflex, Raupuram, Superthane, Tygothane®, Urebrade®, Dureflex®, Estane®, Hydrex® 101, 202, 302, Hydlar® U, Kapa board, Lubrithane, Northance, Pellathane®, Permathane, Redco, SPS 2000, Tufset

Emco Industrial Plastics doesn't claim to represent all of the manufacturers or trade name products listed. This list is intended as a guide of typical materials available for purchase from Emco Industrial Plastics, Inc. For additional information, contact an Emco Industrial Plastics representative at (800) 292-9906.

Availability

TYPE	SIZE	LENGTH	COLOR
Sheet	1/32" - 4" TH	Up to 48" sq.; CTS	Natural, Black
Rod	3/4" - 6" DIA	36" L; CTS	Natural, Black
Bar	3/4" - 4" x 3/4" - 4"	24", 36", 48"L; CTS	Natural, Black
Tube	3/4" - 6" ID; various OD	36" L; CTS	Natural, Black
Flexible Tubing/Hose	1/4" - 3/4" ID, various OD	50', 100' coil length; CTS	Clear
Other	Fabric-backed sheets		

Give us your cut-to-size dimensions. We will precision-cut these plastics to your exact size. Additional sizes and colors available upon request.