

GRECO ISOTHANE 5090A Polyether TPU Resin

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

ISOTHANE 5000 Series products are polyether based thermoplastic polyurethanes. They exhibit excellent bio-compatibility, hydrolytic resistance, fungus resistance, and low temperature performance properties. These products can be injection molded, blow molded, and extruded. These are used for biomedical and drug administration applications. Information provided by Greater Eastern Resins Industrial Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GRECO-ISOTHANE-5090A-PolyetherTPUResin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength	41.0 MPa	5950 psi	ASTM D412
Tensile Strength, Yield	6.20 MPa @Strain 50.0 %	899 psi @Strain 50.0 %	ASTM D412
	8.30 MPa @Strain 100 %	1200 psi @Strain 100 %	ASTM D412
	17.0 MPa @Strain 300 %	2470 psi @Strain 300 %	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
Tear Strength	700 kN/m	3990 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	50	50	ASTM D1044(Taber) H-22
Compression Set	25 % @Temperature 23.0 Â°C, Time 79200 sec	25 % @Temperature 73.4 Â°F, Time 22.0 hour	ASTM D395
	40 % @Temperature 70.0 Â°C, Time 79200 sec	40 % @Temperature 158 Â°F, Time 22.0 hour	ASTM D395

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China