

GRECO ISOTHANE 1065D Poly(adipate)ester TPU Resin

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

Material Notes:

ISOTHANE 1000 series products are general purpose poly(adipate)ester based thermoplastic polyurethanes. They exhibit excellent toughness, abrasive resistance, and solvent resistance. These products can be injection molded, blow molded, and extruded. Information provided by Greater Eastern Resins Industrial Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GRECO-ISOTHANE-1065D-Polyadipateester-TPUResin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength	41.0 MPa	5950 psi	ASTM D412
Tensile Strength, Yield	19.0 MPa @Strain 50.0 %	2760 psi @Strain 50.0 %	ASTM D412
	21.0 MPa @Strain 100 %	3050 psi @Strain 100 %	ASTM D412
	33.0 MPa @Strain 300 %	4790 psi @Strain 300 %	ASTM D412
Elongation at Break	440 %	440 %	ASTM D412
Tear Strength	240 kN/m	1370 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	15	15	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
	35 % @Temperature 70.0 Â°C, Time 79200 sec	35 % @Temperature 158 Â°F, Time 22.0 hour	ASTM D395

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