

GRECO ISOTHANE 1180A Poly(adipate)ester TPUÂ Resin

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

Material Notes:

ISOTHANE 1100 series products are transparent grade, polyester poly(adipate)ester based thermoplastic polyurethanes. They exhibit good toughness, solvent resistance, easy processing, and high transparency. These products can be injection 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-1180A-Polyadipateester-TPUResin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	ASTM D2240
Tensile Strength	28.0 MPa	4060 psi	ASTM D412
Tensile Strength, Yield	2.90 MPa	421 psi	ASTM D412
	@Strain 50.0 %	@Strain 50.0 %	
	4.80 MPa	696 psi	
	@Strain 100 %	@Strain 100 %	ASTM D412
	8.10 MPa	1170 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	ASTM D412
Elongation at Break	650 %	650 %	ASTM D412
Tear Strength	90.0 kN/m	514 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	30	30	ASTM D1044(Taber) H-22

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