

GRECO ISOTHANE 1160D 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-1160D-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	58	58	ASTM D2240
Tensile Strength	40.0 MPa	5800 psi	ASTM D412
Tensile Strength, Yield	15.0 MPa	2180 psi	ASTM D412
	@Strain 50.0 %	@Strain 50.0 %	
	19.0 MPa	2760 psi	ASTM D412
	@Strain 100 %	@Strain 100 %	
	33.0 MPa	4790 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	480 %	480 %	ASTM D412
Tear Strength	200 kN/m	1140 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	60	60	ASTM D1044(Taber) H-22

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