

GRECO ISOTHANE 1170D 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-1170D-Polyadipateester-TPUResin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	ASTM D2240
Tensile Strength	40.0 MPa	5800 psi	ASTM D412
Tensile Strength, Yield	13.0 MPa @Strain 50.0 %	1890 psi @Strain 50.0 %	ASTM D412
	17.0 MPa @Strain 100 %	2470 psi @Strain 100 %	ASTM D412
	25.0 MPa @Strain 300 %	3630 psi @Strain 300 %	ASTM D412
Elongation at Break	310 %	310 %	ASTM D412
Tear Strength	220 kN/m	1260 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	60	60	ASTM D1044(Taber) H-22

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