

## GRECO ISOTHANE 1185A 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-1185A-Polyadipateester-TPUResin.php](http://www.lookpolymers.com/polymer_GRECO-ISOTHANE-1185A-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	87	87	ASTM D2240
Tensile Strength	28.0 MPa	4060 psi	ASTM D412
Tensile Strength, Yield	3.10 MPa @Strain 50.0 %	450 psi @Strain 50.0 %	ASTM D412
	5.70 MPa @Strain 100 %	827 psi @Strain 100 %	ASTM D412
	10.0 MPa @Strain 300 %	1450 psi @Strain 300 %	ASTM D412
Elongation at Break	650 %	650 %	ASTM D412
Tear Strength	100 kN/m	571 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	60	60	ASTM D1044(Taber) H-22

## Contact Songhan Plastic Technology Co.,Ltd.

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