

GRECO ISOTHANE 1055D 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-1055D-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	57	57	ASTM D2240
Tensile Strength	43.0 MPa	6240 psi	ASTM D412
Tensile Strength, Yield	15.0 MPa	2180 psi	ASTM D412
	@Strain 50.0 %	@Strain 50.0 %	
	19.0 MPa	2760 psi	
	@Strain 100 %	@Strain 100 %	ASTM D412
	33.0 MPa	4790 psi	
	@Strain 300 %	@Strain 300 %	
Elongation at Break	450 %	450 %	ASTM D412
Tear Strength	120 kN/m	685 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	30	30	ASTM D1044(Taber) H-22
Compression Set	25 %	25 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
	30 %	30 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	ASTM D395

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China