

## GRECO ISOTHANE 3065D Polyether TPU Resin

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

**Material Notes:**

ISOTHANE 3000 Series products are polyether based thermoplastic polyurethanes. They exhibit excellent hydrolytic resistance, fungus resistance, and low temperature performance properties. 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-3065D-PolyetherTPUResin.php](http://www.lookpolymers.com/polymer_GRECO-ISOTHANE-3065D-PolyetherTPUResin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength	40.0 MPa	5800 psi	ASTM D412
Tensile Strength, Yield	16.0 MPa	2320 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	ASTM D412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	370 %	370 %	ASTM D412
Tear Strength	1050 kN/m	5990 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	70	70	ASTM D1044(Taber) H-22
Compression Set	30 %	30 %	ASTM D395
	@Temperature 23.0 Â°C, Time 79200 sec	@Temperature 73.4 Â°F, Time 22.0 hour	
	35 %	35 %	ASTM D395
	@Temperature 70.0 Â°C, Time 79200 sec	@Temperature 158 Â°F, Time 22.0 hour	

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