

GRECO ISOTHANE 2095A Poly(caprolactone)ester TPU Resin

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

Material Notes:

ISOTHANE 2000 series products are polyester poly(caprolactone)ester based thermoplastic polyurethane. They exhibit excellent toughness, abrasive resistance, solvent resistance, and hydrolysis stability. 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-2095A-Polycaprolactoneester-TPUResin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Tensile Strength	42.0 MPa	6090 psi	ASTM D412
Tensile Strength, Yield	8.20 MPa	1190 psi	ASTM D412
	@Strain 50.0 %	@Strain 50.0 %	
	11.0 MPa	1600 psi	
	@Strain 100 %	@Strain 100 %	ASTM D412
	25.0 MPa	3630 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
Elongation at Break	480 %	480 %	ASTM D412
Tear Strength	100 kN/m	571 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	10	10	ASTM D1044(Taber) H-22
Compression Set	20 %	20 %	ASTM D395
	@Temperature 23.0 Â°C, Time 79200 sec	@Temperature 73.4 Â°F, Time 22.0 hour	
	25 %	25 %	ASTM D395
	@Temperature 70.0 Â°C, Time 79200 sec	@Temperature 158 Â°F, Time 22.0 hour	

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