

Samyang Triel® 5350 Thermoplastics Polyetherester Elastomer, General Extrusion

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP , Polyether Ester Elastomer

Material Notes:

Excellent mechanical characteristics, elasticity, thermal resistance and chemical resistance.5350 is an extrusion grade.Applications:
Elastic threadInformation provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Triel-5350-Thermoplastics-Polyetherester-Elastomer-General-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
Linear Mold Shrinkage	0.015 - 0.017 cm/cm	0.015 - 0.017 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	ASTM D2240
Tensile Strength, Ultimate	14.7 MPa	2130 psi	ASTM D638
Tensile Strength, Yield	4.41 MPa @Strain 5.00 %	640 psi @Strain 5.00 %	ASTM D638
	5.88 MPa @Strain 10.0 %	853 psi @Strain 10.0 %	ASTM D638
	8.34 MPa @Strain 50.0 %	1210 psi @Strain 50.0 %	ASTM D638
Izod Impact, Notched	NB @Thickness 3.17 mm, Temperature -40.0 Å°C	NB @Thickness 0.125 in, Temperature -40.0 Å°F	ASTM D256
	NB @Thickness 3.17 mm, Temperature 23.0 Å°C	NB @Thickness 0.125 in, Temperature 73.4 Å°F	ASTM D256

Descriptive Properties	Value	Comments
Flexible Rate	> 400%	ASTM D638

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