

Samyang Triel® 5722EM Thermoplastics Polyetherester Elastomer, Extrusion

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

Material Notes:

Excellent mechanical characteristics, elasticity, thermal resistance and chemical resistance.5722EM is an extrusion grade.Information provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Triel-5722EM-Thermoplastics-Polyetherester-Elastomer-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
Linear Mold Shrinkage	0.017 - 0.020 cm/cm	0.017 - 0.020 in/in	ASTM D955
Melt Flow	18 - 22 g/10 min @Load 2.16 kg, Temperature 240 °C	18 - 22 g/10 min @Load 4.76 lb, Temperature 464 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ASTM D2240
Tensile Strength, Ultimate	41.7 MPa	6040 psi	ASTM D638
Flexural Yield Strength	36.3 MPa	5260 psi	ASTM D790
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	0.981 - 1.27 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	1.84 - 2.39 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	1.96 - 2.45 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	3.67 - 4.59 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	ASTM D2117
Deflection Temperature at 0.46 MPa (66 psi)	128 °C	262 °F	ASTM D648
Vicat Softening Point	205 °C	401 °F	ASTM D1525

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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