

Samyang Trimma® FT6125 I[R] PMMA, Transparent

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Optical Grade, Molded

Material Notes:

High transparency and high scratch resistance. Stable against weak acids, strong acids, weak alkalis and inorganic salts. Information provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Trimma-FT6125-IR-PMMA-Transparent.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	21 g/10 min	21 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	63.7 MPa	9250 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Yield Strength	83.4 MPa	12100 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Notched	0.235 J/cm @Thickness 3.17 mm	0.441 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.0 Â°C	163 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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