

Lendell Parapet GR-00100 PMMA, High Impact

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Impact Modified, Molded

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lendell-Parapet-GR-00100-PMMA-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Index of Compound	1.3 g/10 min @Load 3.80 kg, Temperature 230 Â°C	1.3 g/10 min @Load 8.38 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	60	60	ASTM D785
Tensile Strength, Yield	46.1 MPa	6680 psi	ASTM D638
Elongation at Yield	40 %	40 %	ASTM D638
Flexural Yield Strength	63.7 MPa	9250 psi	ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm	1.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 Â°C	172 Â°F	unannealed; ASTM D648
	89.0 Â°C	192 Â°F	annealed; ASTM D648
Vicat Softening Point	103 Â°C	217 Â°F	ASTM D1525
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Haze	1.0 %	1.0 %	ASTM D1003
Transmission, Visible	91 %	91 %	ASTM D1003

Optical Properties

Metric

English

Comments

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