

Lucite International Elvakon® 4461 Medium Gloss Acrylic Capstock

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Extruded

Material Notes:

Coextrusion grade developed to provide high aesthetic control, outstanding weatherability and impact and scratch resistance, the Elvakon® series enables protection of substrates with a durable protective coating. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Elvakon-4461-Medium-Gloss-Acrylic-Capstock.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	ISO 62
Melt Flow	2.3 g/10 min	2.3 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	76	76	ISO 2039-2
Tensile Strength	30.0 MPa	4350 psi	ISO 527
Elongation at Break	55 %	55 %	ISO 527
Flexural Strength	41.0 MPa	5950 psi	ISO 178
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
Charpy Impact Unnotched	7.10 J/cm ²	33.8 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.680 J/cm ²	3.24 ft-lb/in ²	ISO 179/1eA
Impact Test	1.40 J	1.03 ft-lb	Instrumented Falling Weight Impact; ISO 6603/2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	81.0 Å°C	178 Å°F	ISO 75B
Deflection Temperature at 1.8 MPa (264 psi)	68.0 Å°C	154 Å°F	ISO 75A
Vicat Softening Point	75.0 Å°C	167 Å°F	ISO 306B
	90.0 Å°C	194 Å°F	ISO 306A

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