

Lucite International Elvakon® 4451 Super Low 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-4451-Super-Low-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	3.0 g/10 min	3.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	ISO 2039-2
Tensile Strength	37.0 MPa	5370 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Flexural Strength	51.0 MPa	7400 psi	ISO 178
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	3.30 kJ/m ²	1.57 ft-lb/in ²	ISO 180/1A
Charpy Impact Unnotched	3.30 J/cm ²	15.7 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	ISO 179/1eA
Impact Test	1.20 J	0.885 ft-lb	Instrumented Falling Weight Impact; ISO 6603/2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 °C	180 °F	ISO 75B
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	ISO 75A
Vicat Softening Point	76.0 °C	169 °F	ISO 306B
	89.0 °C	192 °F	ISO 306A

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