

Lucite International Elvakon® 4470 High 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-4470-High-Gloss-Acrylic-Capstock.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ISO 1183
Water Absorption	0.35 %	0.35 %	ISO 62
Melt Flow	2.9 g/10 min	2.9 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	48	48	ISO 2039-2
Tensile Strength	50.0 MPa	7250 psi	ISO 527
Elongation at Break	25 %	25 %	ISO 527
Flexural Strength	67.0 MPa	9720 psi	ISO 178
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	6.10 kJ/m ²	2.90 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/1eA
	6.40 J/cm ²	30.5 ft-lb/in ²	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Vicat Softening Point	91.0 Â°C	196 Â°F	ISO 306B
	102 Â°C	216 Â°F	ISO 306A
Heat Distortion Temperature	90.0 Â°C	194 Â°F	ISO 75A

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ISO 489
Transmission, Visible	90 %	90 %	ASTM D1003

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