

Lucite International Elvakon® 4474 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-4474-High-Gloss-Acrylic-Capstock.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Water Absorption	0.32 %	0.32 %	ISO 62
Melt Flow	2.5 g/10 min	2.5 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	71	71	ISO 2039-2
Tensile Strength	63.0 MPa	9140 psi	ISO 527
Elongation at Break	15 %	15 %	ISO 527
Flexural Strength	85.0 MPa	12300 psi	ISO 178
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	3.60 kJ/m ²	1.71 ft-lb/in ²	ISO 180/1A
Charpy Impact Unnotched	4.20 J/cm ²	20.0 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.390 J/cm ²	1.86 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	ISO 75A
Vicat Softening Point	102 Â°C	216 Â°F	ISO 306B
	111 Â°C	232 Â°F	ISO 306A

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ISO 489
Transmission, Visible	91 %	91 %	ASTM D1003

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