

Elvakon® 4494

Polymethyl Methacrylate Acrylic

Lucite International Inc.

Message:

Low gloss acrylic capstock Lucite® Elvakon® 4494

General Information			
Features	Low Gloss		
Uses	Capstock		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	2.2	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	74		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2
Tensile Strain (Break)	27	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	53	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	66.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	84.0	°C	ISO 306/A
--	69.0	°C	ISO 306/B

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