

Elvakon® 4474

Polymethyl Methacrylate Acrylic
Lucite International Inc.

Message:
High gloss acrylic capstock Lucite® Elvakon® 4474

General Information			
UL YellowCard	E108947-218750		
Features	High Gloss		
Uses	Capstock		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	2.5	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.32	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	71		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	63.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.9	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	42	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	3.6	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	111	°C	ISO 306/A
--	102	°C	ISO 306/B
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance	91.0	%	ASTM D1003

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