

Elvakon® 4453

Polymethyl Methacrylate Acrylic

Lucite International Holland BV

Message:

Low gloss acrylic capstock Lucite® Elvakon® 4453

General Information			
Features	Gloss, low		
Uses	Tread rubber		
Appearance	Rough surface polishing		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	46.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	74.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.6	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	26	kJ/m ²	ISO 179/1eU
Notched Izod Impact	2.4	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	103	°C	ISO 75-2/B
1.8 MPa, not annealed	98.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	113	°C	ISO 306/A
--	99.0	°C	ISO 306/B
Optical	Nominal Value	Test Method	
Gloss (60°)	10 - 15	Internal method	

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Recommended distributors for this material

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