

Elvakon® 4461

Polymethyl Methacrylate Acrylic

Lucite International Inc.

Message:

Medium gloss acrylic capstock Lucite® Elvakon® 4461

General Information			
Features	Medium Gloss		
Uses	Capstock		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	2.3	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)	76		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Break)	55	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Flexural Stress	41.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	71	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180/1A
Multi-Axial Instrumented Impact Energy	1.40	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	81.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	68.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	90.0	°C	ISO 306/A
--	75.0	°C	ISO 306/B

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