

Diakon® IM15575

Polymethyl Methacrylate Acrylic
Lucite International Holland BV

Message:

Diakon® IM15575 is a polymethyl methacrylate-acrylic material. This product is available in Europe. Diakon®The main characteristics of the IM15575 are: flame retardant/rated flame.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/10.0 kg	6.5	g/10 min	ISO 1133
230°C/3.8 kg	1.2	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.80	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.36	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	15		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	32.0	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress	47.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	78	kJ/m²	ISO 179/1eU
Notched Izod Impact	6.3	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	105	°C	ISO 306/A
--	87.0	°C	ISO 306/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance	91.0	%	ASTM D1003
Haze	1.7	%	ASTM D1003

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Recommended distributors for this material

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