

Diakon Frost 902 70

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5.8	g/10min	ISO 1133
Mechanical properties			
ISO Data			
Tensile Strength	52	MPa	ISO 527
Strain at break	2.6	%	ISO 527
Flexural modulus, 23°C	3100	MPa	ISO 178
Charpy impact strength, +23°C	12	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	1.8	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	1.4	kJ/m ²	ISO 180/1A
Rockwell hardness	M 89	-	ISO 2039-2
Ball indentation hardness	170	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	99	°C	ISO 75-1/-2
Vicat softening temperature, A	106	°C	ISO 306
Vicat softening temperature, B	100	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Optical properties			
ASTM Data			
Haze	97.5	%	ASTM D 1003
Light Transmittance	80.5	%	ASTM D 1003
Other properties			
Water absorption	0.3	%	Sim. to ISO 62
Density	1200	kg/m ³	ISO 1183
Density	1200	kg/m ³	ASTM D 792

Characteristics**Processing**

Other Extrusion

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa