

**Diakon Frost 952 51**

PMMA

Lucite International

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	1.3	g/10min	ISO 1133
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	73	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	3400	MPa	ISO 178
Charpy impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	1.4	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	1.6	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	M 94	-	ISO 2039-2
Ball indentation hardness	180	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	96	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, A	109	°C	ISO 306
Vicat softening temperature, B	102	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	66	%	ASTM D 1003
Light Transmittance	74	%	ASTM D 1003
<b>Other properties</b>			
Water absorption	0.3	%	Sim. to ISO 62
Density	1190	kg/m <sup>3</sup>	ISO 1183
Density	1190	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Other Extrusion

**Regional Availability**

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