

Diakon Frost 740 90

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1	g/10min	ISO 1133
Mechanical properties			
ISO Data			
Tensile Strength	31	MPa	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Flexural strength	42	MPa	ISO 178
Charpy impact strength, +23°C	44	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5.9	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	5.1	kJ/m ²	ISO 180/1A
Rockwell hardness	M 60	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Vicat softening temperature, A	105	°C	ISO 306
Vicat softening temperature, B	92	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Optical properties			
ASTM Data			
Haze	92	%	ASTM D 1003
Light Transmittance	82	%	ASTM D 1003
Other properties			
Water absorption	0.36	%	Sim. to ISO 62
Density	1150	kg/m ³	ISO 1183
Processing Recommendation Extrusion			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Feed temperature	50 - 80	°C	-
Zone 1	160 - 240	°C	-
Zone 2	180 - 250	°C	-
Zone 3	200 - 250	°C	-
Zone 4	220 - 260	°C	-
Zone 5	220 - 270	°C	-
Nozzle temperature	210 - 270	°C	-

Characteristics**Processing**

Other Extrusion

Delivery form

Natural Color

Regional Availability

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