

Diakon Frost 625 30

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4.4	g/10min	ISO 1133
Mechanical properties			
ISO Data			
Tensile Strength	42	MPa	ISO 527
Charpy impact strength, +23°C	38	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	77	°C	ISO 75-1/-2
Vicat softening temperature, A	96	°C	ISO 306
Vicat softening temperature, B	85	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Optical properties			
ASTM Data			
Haze	84.3	%	ASTM D 1003
Light Transmittance	92.1	%	ASTM D 1003
Other properties			
Water absorption	0.33	%	Sim. to ISO 62
Density	1160	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	50 - 80	°C	-
Feed temperature	50 - 80	°C	-
Zone 1	190 - 240	°C	-
Zone 2	210 - 260	°C	-
Zone 3	210 - 280	°C	-
Nozzle temperature	220 - 270	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Regional Availability

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