

Diakon MG114

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2.2	g/10min	ISO 1133
Mechanical properties			
ISO Data			
Tensile Strength	75	MPa	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Charpy impact strength, +23°C	20	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2.1	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	2.1	kJ/m ²	ISO 180/1A
Rockwell hardness	M 98	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	106	°C	ISO 75-1/-2
Vicat softening temperature, A	117	°C	ISO 306
Vicat softening temperature, B	108	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Optical properties			
ASTM Data			
Haze	0.4	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
Other properties			
Water absorption	0.3	%	Sim. to ISO 62
Density	1180	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Regional Availability

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