

Diakon CLG356 Clear 0018

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	75	MPa	ISO 527
Flexural modulus, 23°C	2900	MPa	ISO 178
Charpy impact strength, +23°C	18	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	1.7	kJ/m ²	ISO 180/1A
Rockwell hardness	M 85	-	ISO 2039-2
Ball indentation hardness	175	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	91	°C	ISO 75-1/-2
Vicat softening temperature, A	98	°C	ISO 306
Vicat softening temperature, B	93	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	0.4	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
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