

OPTIX® CP - 1000 IG CLEAR

PMMA

Plaskolite West, Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.7	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Modulus	1860	MPa	ASTM D 638
Tensile Strength	42	MPa	ASTM D 638
Flexural Strength	61	MPa	ASTM D 790
Izod Impact notched, 1/4 in	66	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
Coefficient of Thermal Expansion, MD	120	E-6/K	ASTM D 696
DTUL @ 264 psi	80	°C	ASTM D 648
Vicat Temperature	99	°C	ASTM D 1525
Optical properties			
ASTM Data	Value	Unit	Test Standard
Haze	3	%	ASTM D 1003
Light Transmittance	91	%	ASTM D 1003
Other properties			
ASTM Data	Value	Unit	Test Standard
Density	1160	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Special Characteristics

High impact or impact modified