

OPTIX® CP - 41 HF CLEAR

PMMA

Plaskolite West, Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	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			
Tensile Modulus	2726	MPa	ASTM D 638
Tensile Strength	53	MPa	ASTM D 638
Flexural Strength	76	MPa	ASTM D 790
Rockwell Hardness	M 74	-	ASTM D 785
Izod Impact notched, 1/4 in	16	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	60	E-6/K	ASTM D 696
DTUL @ 264 psi	71.7	°C	ASTM D 648
Vicat Temperature	89	°C	ASTM D 1525
Optical properties			
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542
Other properties			
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1190	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Applications

General Purpose