

**OPTIX® CA - 51 CLEAR**

PMMA

Plaskolite West, Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>14</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.004</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>2890</b>	MPa	ASTM D 638
Tensile Strength	<b>55.8</b>	MPa	ASTM D 638
Flexural Strength	<b>102</b>	MPa	ASTM D 790
Izod Impact notched, 1/4 in	<b>18</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>60</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>76</b>	°C	ASTM D 648
Vicat Temperature	<b>94</b>	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Haze	<b>1</b>	%	ASTM D 1003
Light Transmittance	<b>92</b>	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Applications**

General Purpose

**Regional Availability**

North America