

**OPTIX® CA - 42 CLEAR (FDA)**

PMMA

Plaskolite West, Inc.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>40</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
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	<b>2620</b>	MPa	ASTM D 638
Tensile Strength	<b>51</b>	MPa	ASTM D 638
Flexural Strength	<b>69</b>	MPa	ASTM D 790
Izod Impact notched, 1/4 in	<b>18</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Coefficient of Thermal Expansion, MD	<b>60</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>70</b>	°C	ASTM D 648
Vicat Temperature	<b>76</b>	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Haze	<b>1</b>	%	ASTM D 1003
Light Transmittance	<b>92</b>	%	ASTM D 1003
<b>Other properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Applications**

General Purpose