



# Optix® CA-51 KC

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

## General Information

### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0E-3 to 6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	410000	psi	ASTM D638
Tensile Strength	7800	psi	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Modulus	432000	psi	ASTM D790
Flexural Strength	12600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.30	ft-lb/in	ASTM D256
Gardner Impact <sup>2</sup> (0.125 in)	2.00	in·lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	80		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	168	°F	
Vicat Softening Temperature	201	°F	ASTM D1525
CLTE - Flow (-22 to 86°F)	3.3E-5	in/in/°F	ASTM D696

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Geometry GB