



Optix® CA-927 HF CLEAR

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier
Features	• General Purpose • High Flow • Impact Modified
Uses	• General Purpose
Appearance	• Clear/Transparent
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.15		ASTM D792
Melt Mass-Flow Rate	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	345000	psi	ASTM D638
Tensile Strength	7200	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Flexural Strength	7000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.80	ft-lb/in	ASTM D256
Gardner Impact	28.0	in-lb	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	164	°F	ASTM D648
Vicat Softening Temperature	226	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.