

Optix® CA-927

Polymethyl Methacrylate Acrylic

Plaskolite West, Inc.

Message:

CA-927 clear is an Impact Modified Acrylic polymer for injection molding with up to seven times the strength of General Purpose acrylic resins. Outstanding performance, surface gloss, optical clarity and great light transmissions. Ideally design for injection moldings of building decoration products such as window blocks, house-ware products, and appliances such as display racks, etc. Outstanding Price/Performance Ratio.

General Information			
UL YellowCard	E167330-225052		
Additive	Impact Modifier		
Features	Good Surface Finish		
	High Clarity		
	High Gloss		
	High Strength		
	Impact Modified		
Uses	Opticals		
	Appliances		
	Blending		
	Building Materials		
	Decorative Displays		
	Household Goods		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield)	50.3	MPa	ASTM D638
Tensile Elongation (Yield)	5.3	%	ASTM D638
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Gardner Impact ¹	3.05	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.9	°C	ASTM D1003

Vicat Softening Temperature	112	°C	ASTM D1525
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	91.3	%	ASTM D1003
NOTE			
1.	Geometry GB		

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