

Optix® CA-1000 I

Polymethyl Methacrylate Acrylic

Plaskolite West, Inc.

Message:

CA-1000 I clear is a high Impact Modified Acrylic polymer for injection molding. This polymer offers up to ten times the strength of General Purpose acrylic polymers.

Excellent environmental stability and transparency. Highest impact strength, with excellent surface gloss and optical toughness. Ideally designed for injection molding of house-ware products, Appliances, and other fabrication processes.

General Information			
UL YellowCard	E167330-225031		
Additive	Impact Modifier		
Features	Environmentally Sound		
	Good Toughness		
	High Clarity		
	High Gloss		
	High Impact Resistance		
	High Strength		
	Impact Modified		
	Opticals		
Uses	Appliances		
	Household Goods		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2030	MPa	ASTM D638
Tensile Strength (Yield)	42.1	MPa	ASTM D638
Tensile Elongation (Yield)	37	%	ASTM D638
Flexural Strength	61.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Gardner Impact ¹	5.54	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.8	°C	ASTM D1003

Vicat Softening Temperature	108	°C	ASTM D1525
RTI Elec	90.0	°C	UL 746
RTI Imp	90.0	°C	UL 746
RTI Str	90.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	90.8	%	ASTM D1003
NOTE			
1.	Geometry GB		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT