

# Optix® CA-945

Polymethyl Methacrylate Acrylic

Plaskolite West, Inc.

## Message:

CA-945 clear is an Impact Modified Acrylic polymer for extrusion and injection molding. This polymer offers impact strength up to six times the strength of General Purpose acrylic polymers.

Outstanding performance, optical clarity, and great light transmissions. Ideally designed for injection moldings of house-ware products and Appliances. Excellent process ability and practical toughness.

General Information	
Additive	Impact Modifier
Features	Good Processability
	Good Toughness
	High Clarity
	High Impact Resistance
	High Strength
	Impact Modified
	Opticals
Uses	Appliances
	Household Goods
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Gardner Impact <sup>1</sup>	2.60	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D1003
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method

Transmittance	91.6	%	ASTM D1003
NOTE			

1. Geometry GB

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#### Recommended distributors for this material

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