

Optix® CA-75

Polymethyl Methacrylate Acrylic
Plaskolite West, Inc.

Message:

CA-75 clear is general-purpose polymer designated for injection molding and extrusions. This polymer offers medium flow and maximum heat resistance. Excellent performance and processability for products that requires high heat resistance. Ideally the resin for the Lightning Industry. Ease to process with crystal clear appearance. Excellent in blending with lighting colors and lighting diffusions.

General Information		
UL YellowCard	E167330-225040	E167330-225041
Features	General Purpose	
	Good Processability	
	High Heat Resistance	
	Medium Flow	
Uses	Blending	
	General Purpose	
	Lighting Diffusers	
	Lighting Fixtures	
Appearance	Clear/Transparent	
Forms	Pellets	
Processing Method	Extrusion	
	Injection Molding	

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3650	MPa	ASTM D638
Tensile Strength (Yield)	71.0	MPa	ASTM D638
Tensile Elongation (Yield)	4.2	%	ASTM D638
Flexural Strength	121	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D1003
Vicat Softening Temperature	113	°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	92.0	%	ASTM D1003

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Recommended distributors for this material

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