

Optix® CA-86

Polymethyl Methacrylate Acrylic
Plaskolite West, Inc.

Message:

CA-86 clear is general-purpose polymer designated for injection molding and extrusions. This polymer offers the highest heat resistance and stiffness among all CA acrylics resins.
Excellent performance and process ability. Design for all injection molding applications for House-ware designs and Automotive. Ideally the polymer preferred by major automotive companies for taillight lenses. Ease to process with crystal clear appearance and no odor. Excellent in blending with colors.

General Information			
UL YellowCard	E167330-225049		
Features	General Purpose		
	Good Processing Stability		
	High Clarity		
	High Heat Resistance		
	High Stiffness		
	Low to No Odor		
Uses	Automotive Applications		
	Automotive Backlights		
	Blending		
	General Purpose		
	Household Goods		
	Lighting Diffusers		
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)	1.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3650	MPa	ASTM D638
Tensile Strength (Yield)	72.4	MPa	ASTM D638
Flexural Strength	117	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D1003
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

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

