

# Optix® CA-71

Polymethyl Methacrylate Acrylic

Plaskolite West, Inc.

## Message:

CA-71 clear is general-purpose polymer designated for injection molding and extrusions. This polymer offers high heat resistance with medium flow. Excellent polymer for application that requires high heat resistance with medium flow. Crystal clarity exceptional weatherability and relativity good chemical resistance. Easy to blend with other polymers, and colors.

General Information	
UL YellowCard	E167330-225038
Features	General Purpose
	Good Chemical Resistance
	Good Weather Resistance
	High Clarity
	High Heat Resistance
	Medium Flow
Uses	Blending
	General Purpose
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3240	MPa	ASTM D638
Tensile Strength (Yield)	67.6	MPa	ASTM D638
Tensile Elongation (Yield)	3.1	%	ASTM D638
Flexural Strength	105	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	96.7	°C	ASTM D1003
Vicat Softening Temperature	107	°C	ASTM D1525
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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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

