

Optix® CA-61

Polymethyl Methacrylate Acrylic
Plaskolite West, Inc.

Message:

CA-61 clear is general-purpose polymer designated for injection molding and extrusions. This polymer offers good heat resistance with medium flow. This polymer is well suited for decorated applications. Outstanding processability, water white appearance with no odor or taste. Excellent for blending with other polymers, or with color. Ideally designed for injection moldings of house-ware products such as; table displays, shelves displays, etc.

General Information			
UL YellowCard	E167330-225037		
Features	General Purpose		
	Good Processability		
	Low to No Odor		
	Low to No Taste		
	Medium Flow		
	Medium Heat Resistance		
Uses	Blending		
	Decorative Displays		
	General Purpose		
	Household Goods		
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)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3030	MPa	ASTM D638
Tensile Strength (Yield)	66.2	MPa	ASTM D638
Tensile Elongation (Yield)	3.4	%	ASTM D638
Flexural Strength	108	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	91.1	°C	ASTM D1003
Vicat Softening Temperature	102	°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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