

# CA-1000 I Clear

Melts Flow Rate: 2.8

## IMPACT MODIFIED GRADES

### Applications

CA-1000 I clear is a high Impact Modified Acrylic polymer for injection molding. This polymer offers up to ten times the strength of General Purpose acrylic polymers.

### Designs & Performance

Excellent environmental stability and transparency. Highest impact strength, with excellent surface gloss and optical toughness. Ideally designed for injection molding of Houware products, Appliances, and other fabrication processes.

### Code Compliance

- FDA - Approved in accordance to CFR-21, Section 177.1010 (a) and (b). Used as basic components of single and repeated U.S. Food Contact Surfaces.
- U.L. - 94HB approved in accordance with U.L. 746C requirements, suitable for Outdoor Use.
- AMECA - Complies with SAE J576 for use in optical lenses and reflectors used on motor vehicles.

<u>Property</u>	<u>Method ASTM</u>	<u>Unit</u>	<u>CA-1000 I data</u>
Specific Gravity	D-792	-	1.16
Melt Flow Rate	D-1238 (230/3.8)	g/10min	2.8
Luminous Transmittance	D-1003	%	90.8
Tensile Strength	D-638	psi	6,100
Tensile Elongation	D-638	%	37.0
Tensile Modulus	D-638	psi	295,000
Flexural Strength	D-790	psi	8,900
Heat Deflection Temp. Under Load (264 psi, 1.82 MPa)	D-648	F°	172
Vicat Softening Temperature (1 kg Load)	D-1525	F°	227
Flammability	UL 94	-	-
Notched Izod Impact Strength	D-256	Ft.-lb/in	1.1

Dart Drop Impact Strength	D-3029 GB	in-lb	49.0
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