

CA-1000 E Clear

Melts Flow Rate: 1.1

IMPACT MODIFIED GRADES

Applications

CA-1000 E clear is an Impact Modified Acrylic polymer for extrusion processes. This polymer offers up to twelve times the strength of General Purpose acrylic polymers.

Designs & Performance

Outstanding performance, surface gloss, optical clarity and great light transparency. Ideally designed for extrusion processes. Excellent blend stock material for those applications requiring non-standard impact material.

Code Compliance

- FDA - N/A
- 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 E data</u>
Specific Gravity	D-792	-	1.16
Melt Flow Rate	D-1238 (230/3.8)	g/10min	1.1
Luminous Transmittance	D-1003	%	90.7
Tensile Strength	D-638	psi	6,510
Tensile Elongation	D-638	%	14.2
Tensile Modulus	D-638	psi	255,000
Flexural Strength	D-790	psi	8,890
Heat Deflection Temp. Under Load (264 psi, 1.82 MPa)	D-648	F°	176
Vicat Softening Temperature (1 kg Load)	D-1525	F°	227
Flammability	UL 94	-	-
Notched Izod Impact Strength	D-256	Ft.-lb/in	1.2
Dart Drop Impact Strength	D-3029 GB	in-lb	56.0

