PRODUCT INFORMATION

ACRYLITE® Hi-Gloss FT-8 acrylic polymer

Product Profile:

ACRYLITE® Hi-Gloss FT-8 polymer is an amorphous thermoplastic molding and extrusion compound based on polymethyl methacrylate (PMMA). ACRYLITE® Hi-Gloss FT-8 polymer is available in a range of opaque colors including deep jet black.

Typical properties of ACRYLITE® Hi-Gloss acrylic polymers are:

- excellent weather resistance
- high mechanical strength
- high surface hardness and mar resistance
- good melt flow rate
- versatile colorability due to crystal clarity

The special properties of ACRYLITE® Hi-Gloss FT-8 polymer are:

- high heat resistance
- high melt strength
- available in a range of opaque colors

Application:

Used for injection molding of automotive parts.

Examples:

Automotive surface parts (e.g. exterior pillars, mirror housings and exterior covers); Can be used to replace Class A painted applications.

Processing:

ACRYLITE® Hi-Gloss FT-8 polymer can be processed in injection molding machines and extrusion lines with 3- zone general purpose screws.

Physical Form / Packaging:

Available in 1500 lb. gaylord boxes; other packaging available on request.

Properties:

	Parameter	Unit	Standard	ACRYLITE® Hi-Gloss FT-8 acrylic polymer
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	3300
Stress @ Break	5 mm/min	MPa	ISO 527	77
Strain @ Break	5 mm/min	%	ISO 527	5,5
Charpy Impact Strength	23°C	kJ/m²	ISO 179/1eU	20
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	108
Glass Transition Temperature		°C	ISO 11357	117
Temp. of Deflection under Load	0.45 MPa	°C	ISO 75	103
Temp. of Deflection under Load	1.8 MPa	°C	ISO 75	98
Coeff. of Linear Therm. Expansion	0 - 50°C	E-5 /°K	ISO 11359	8
Classes of construction product			DIN EN 13501-1	E
Rheological Properties				
Melt Volume Rate, MVR	230°C / 3,8kg	cm³/10min	ISO 1133	3
Other Properties				
Density		g/cm³	ISO 1183	1.19
Recommended Processing Conditions				
Predrying Temperature		°C		max. 98
Predrying Time in Desiccant-Type Drier		h		2 - 3
Melt Temperature		°C		220 - 260
Mold Temperature (Injection Molding)		°C		60 - 90

All listed technical data are typical values intended for your guidance. They are given without obligation and do not constitute a materials specification.

Certified to ISO 9001:2015, ISO 14001:2015 and IATF 16949:2016.

Roehm America LLC • 8 Campus Drive • Parsippany NJ 07054 • USA
www.acrylite-polymers.com
www.roehm.com

Ref. No.: MC214 A1142

RÖHM