ACRYLITE® Hi-Gloss FT-8

Polymethyl Methacrylate Acrylic

Evonik Cyro LLC

Message:

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.

General Information	
Features	Amorphous
	Good Colorability
	Good Flow
	Good Melt Strength
	Good Weather Resistance
	High Hardness
	High Heat Resistance
	High Strength
	Scratch Resistant
Uses	Automotive Applications
	Automotive Exterior Trim
Agency Ratings	EC 1907/2006 (REACH)
Appearance	Black
	Colors Available
	Opaque
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ISO 1183

Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)	3.00	cm^3/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3300	MPa	ISO 527-2/1
Tensile Stress (Break)	77.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.5	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	20	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	103	°C	ISO 75-2/B
1.8 MPa, Unannealed	98.0	°C	ISO 75-2/A
Glass Transition Temperature	117	°C	IEC 1006
Vicat Softening Temperature	108	°C	ISO 306/B50
CLTE - Flow (0 to 50°C)	8.0E-5	cm/cm/°C	ISO 11359-2
Flammability	**Nominal Value**		**Test Method**
Fire Rating	B2		DIN 4102

Recommended distributors for this material

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