

Evonik CYRO Acrylite® FT8 NTA Compound

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Impact Modified, Molded

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-Acrylite-FT8-NTA-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0070 cm/cm	0.0060 - 0.0070 in/in	ISO 294
Melt Flow	3.5 g/10 min @Load 3.80 kg, Temperature 230 °C	3.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	95	95	ASTM D785
Tensile Strength at Break	74.001 MPa	10733 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Tensile Modulus	3.24 GPa	470 ksi	ISO 527
Flexural Strength	95.403 MPa	13837 psi	ISO 178
Flexural Modulus	3.10 GPa	450 ksi	ISO 178
Izod Impact, Unnotched (ISO)	2.00 kJ/m ² @Diameter 4.00 mm	0.952 ft-lb/in ² @Diameter 0.157 in	bar; ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	75.6 µm/m-°C @Temperature 0.000 - 100 °C	42.0 µin/in-°F @Temperature 32.0 - 212 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	annealed; ISO 75
Vicat Softening Point	106 °C	223 °F	ISO 306

Optical Properties	Metric	English	Comments
Transmission, Visible	0.0 %	0.0 %	Opaque; ASTM D1003

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 - 249 °C	410 - 480 °F	Cylinder Temp
Melt Temperature	238 - 249 °C	460 - 480 °F	
Mold Temperature	37.8 - 79.4 °C	100 - 175 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	2 - 3 hour	2 - 3 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China