

Evonik CYRO Acrylite Plus® H-17D Acrylic Molding Compound

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

Material Notes:

This material has been replaced by Acrylite Plus® ZK-D - same physical properties with lower haze. Data provided by CYRO IndustriesUses: molded applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-Acrylite-Plus-H-17D-Acrylic-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792
Water Absorption	<= 0.30 %	<= 0.30 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D551
Melt Flow	3.3 g/10 min @Load 3.80 kg, Temperature 230 °C	3.3 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	54	54	ASTM D785
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Elongation at Yield	4.9 %	4.9 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Flexural Yield Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.260 J/cm @Thickness 6.35 mm, Temperature 0.000 °C	0.487 ft-lb/in @Thickness 0.250 in, Temperature 32.0 °F	bar; ASTM D256
	0.450 J/cm @Diameter 6.35 mm	0.843 ft-lb/in @Diameter 0.250 in	bar; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	72.0 µm/m-°C @Temperature 0.000 - 100 °C	40.0 µin/in-°F @Temperature 32.0 - 212 °F	

Thermal Properties	Metric	English	Comments
Heat Deflection Temperature at 1.8 MPa (264 psi)	137 °C	280 °F	Annealed, ASTM D648
Vicat Softening Point	104 °C	219 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Haze	<= 3.0 %	<= 3.0 %	ASTM D1003
Transmission, Visible	89 %	89 %	ASTM D1003

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 248 °C	450 - 478 °F	

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