

Diapolyacrylate Acrypet® IR H70 Impact Modified PMMA

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

Material Notes:

Acrypet® is a registered trade mark of Diapolyacrylate Company Limited. Information provided by Dayson Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diapolyacrylate-Acrypet-IR-H70-Impact-Modified-PMMA.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	0.40 %	0.40 %	24 hrs.; ASTM D570
Melt Flow	1.0 g/10 min @Load 3.80 kg, Temperature 230 °C	1.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	37	37	ASTM D785
Tensile Strength at Break	32.3 MPa	4690 psi	ASTM D638
Elongation at Break	90 %	90 %	ASTM D638
Flexural Yield Strength	41.2 MPa	5970 psi	ASTM D790
Flexural Modulus	1.373 GPa	199.1 ksi	ASTM D790
Izod Impact, Notched	1.11 J/cm	2.07 ft-lb/in	0.250 inches; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	120 µm/m-°C @Temperature 20.0 °C	66.6 µin/in-°F @Temperature 68.0 °F	ASTM D696
Specific Heat Capacity	1.46 J/g-°C	0.349 BTU/lb-°F	
Thermal Conductivity	0.209 W/m-K	1.45 BTU-in/hr-ft ² -°F	ASTM D177
Deflection Temperature at 1.8 MPa (264 psi)	85.6 °C	186 °F	ASTM D648
Vicat Softening Point	101.0 °C	213.8 °F	ASTM D1525; 1 kg

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542

Optical Properties	92 % Metric	92 % English	Comments
Transmittance Visible	@Thickness 3.20 mm	@Thickness 0.126 in	AS 11181303

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