

RedEye On Demand VeroBlue PolyJet™ FC840 for Rapid Prototyping

Category : Polymer , Rapid Prototyping Polymer , Thermoplastic

Material Notes:

Vero PolyJet Resin (VeroBlue™ FC840 & VeroBlack™ FC870) is a photopolymer resin designed for precise jetting in super fine layers by PolyJet™ Technology, often used in rapid prototyping. Our Vero PolyJet Resin materials offer great surface finish with improved mechanical properties as compared to our Clear PolyJet Resin (FC720). These parts are built at a layer thickness of 16 microns (0.0006 inch or 0.01524mm) and can produce parts with fine feature detail. Applications Vero PolyJet Resins work well for prototypes that require smooth surface finish and high feature detail. These resins offer improvements as compared to our Clear PolyJet Resin such as improved mechanical properties, enhanced visualization of details and edges, improved humidity resistance and better flexural strength. Parts from this material can be chrome plated or used as a master for silicone molds. Typical industries included toys, foot wear, architecture and any industry where feature detail and surface finish are required.

Order this product through the following link:

http://www.lookpolymers.com/polymer_RedEye-On-Demand-VeroBlue-PolyJet-FC840-for-Rapid-Prototyping.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	81	81	
Hardness, Shore D	83	83	
Tensile Strength, Yield	55.1 MPa	7990 psi	ASTM D638
Elongation at Break	15 - 25 %	15 - 25 %	ASTM D638
Tensile Modulus	2.74 GPa	397 ksi	ASTM D638
Flexural Yield Strength	83.6 MPa	12100 psi	ASTM D790
Flexural Modulus	1.983 GPa	287.6 ksi	ASTM D790
Compressive Strength	79.3 MPa	11500 psi	ASTM D695
Izod Impact, Notched	0.425 J/cm	0.796 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	49.0 °C	120 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	ASTM D648
Glass Transition Temp, Tg	48.7 °C	120 °F	DMA (SYSS)

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