

Objet FullCure® 840 Vero Blue Resin for Rapid Prototyping

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Information provided by American Precision Prototyping, LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Objeto-FullCure-840-Vero-Blue-Resin-for-Rapid-Prototyping.php

Physical Properties	Metric	English	Comments
Water Absorption at Saturation	1.87 %	1.87 %	ASTM D570-98
Ash	<= 0.30 %	<= 0.30 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	81	81	
Hardness, Shore D	83	83	
Tensile Strength, Ultimate	55.1 MPa	7990 psi	ASTM D638-03
Elongation at Break	20 %	20 %	ASTM D412
Tensile Modulus	2.74 GPa	397 ksi	ASTM D638-04
Flexural Strength	83.6 MPa	12100 psi	ASTM D790-03
Flexural Modulus	1.983 GPa	287.6 ksi	ASTM D790-04
Izod Impact, Notched	0.236 J/cm	0.442 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	48.8 °C	120 °F	ASTM D648-06
Deflection Temperature at 1.8 MPa (264 psi)	44.8 °C	113 °F	ASTM D648-06
Glass Transition Temp, Tg	48.7 °C	120 °F	DMA, E"

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