

Proto3000 Objet VeroWhite FullCure830 Rapid Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Objet's FullCure® Materials family of proprietary acrylic-based photopolymer materials enables Objet users to create highly accurate, finely detailed 3D models and parts for a wide range of Rapid Prototyping and Rapid Manufacturing applications. Vero Family: Opaque rigid materials offering toughness, dimensional stability and great detail visualization
Fields of Use: Consumer goods, Toy, Telecommunications, Computers and Architecture fields
Information provided by Proto3000 for their prototyping engineering services.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Proto3000-Objet-VeroWhite-FullCure830-Rapid-Prototyping-Polymer.php

Physical Properties	Metric	English	Comments
Water Absorption	1.15 %	1.15 %	ASTM D570-98
	@Time 86400 sec	@Time 24.0 hour	
Ash	<= 0.30 %	<= 0.30 %	USP 28

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	81	81	ASTM D785-03
Hardness, Shore D	83	83	ASTM D2240-03
Tensile Strength at Break	50.0 MPa	7250 psi	ASTM D638-03
Elongation at Break	20 %	20 %	ASTM D638-05
Modulus of Elasticity	2.495 GPa	361.9 ksi	ASTM D638-04
Flexural Strength	75.0 MPa	10900 psi	ASTM D790-03
Flexural Modulus	2.137 GPa	309.9 ksi	ASTM D790-04
Izod Impact, Notched	0.240 J/cm	0.450 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	43.0 °C	109 °F	ASTM D648-06
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ASTM D648-07
Glass Transition Temp, Tg	58.0 °C	136 °F	DMA, E"

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