

Proto3000 Objet RGD525 High Temperature Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Information provided by Proto3000 for their prototyping engineering services.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Proto3000-Objet-RGD525-High-Temperature-Prototyping-Polymer.php

Physical Properties	Metric	English	Comments
Density	0.970 - 0.980 g/cc	0.0350 - 0.0354 lb/in³	Polymerized; ASTM D792
Water Absorption	1.2 - 1.4 %	1.2 - 1.4 %	ASTM D570-98
	@Time 86400 sec	@Time 24.0 hour	
Ash	0.38 - 0.42 %	0.38 - 0.42 %	USP281

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	73 - 83	73 - 83	
Hardness, Shore D	87 - 88	87 - 88	
Tensile Strength at Break	70.0 - 80.0 MPa	10200 - 11600 psi	ASTM D638-03
Elongation at Break	10 - 15 %	10 - 15 %	ASTM D638-05
Modulus of Elasticity	3.20 - 3.50 GPa	464 - 508 ksi	ASTM D638-04
Flexural Strength	110 - 130 MPa	16000 - 18900 psi	ASTM D790-03
Flexural Modulus	3.10 - 3.50 GPa	450 - 508 ksi	ASTM D790-04
Izod Impact, Notched	0.140 - 0.160 J/cm	0.262 - 0.300 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	63.0 - 67.0 °C	145 - 153 °F	ASTM D648-06
	75.0 - 80.0 °C	167 - 176 °F	after thermal post treatment procedure A; ASTM D648-06
Deflection Temperature at 1.8 MPa (264 psi)	55.0 - 57.0 °C	131 - 135 °F	ASTM D648-07
Glass Transition Temp, Tg	62.0 - 65.0 °C	144 - 149 °F	DMA, E

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