

Proto3000 Objet Digital Materials™ DM_Grid_7523 Transparent Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Primary material: FullCure720Secondary material: VeroBlackDigital Materials are made up of two Objet materials. The two materials are combined in specific concentrations and structures, to provide the desired mechanical properties and to resemble the product's target materials. Information provided by Proto3000 for their prototyping engineering services.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Proto3000-Objet-Digital-Materials-DMGrid7523-Transparent-Prototyping-Polymer.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 - 60.0 MPa	7250 - 8700 psi	ASTM D638-03
Elongation at Break	15 - 25 %	15 - 25 %	ASTM D638-05
Modulus of Elasticity	2.00 - 3.00 GPa	290 - 435 ksi	ASTM D638-04
Flexural Strength	80.0 - 110 MPa	11600 - 16000 psi	ASTM D790-03
Flexural Modulus	2.70 - 3.30 GPa	392 - 479 ksi	ASTM D790-04
Izod Impact, Notched	0.200 - 0.300 J/cm	0.375 - 0.562 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	45.0 - 50.0 °C	113 - 122 °F	ASTM D648-06

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Transparent; thickness not specified

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