

Proto3000 Objet Digital Materials™ DM_8310 Rigid Opaque Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Primary material: VeroWhitePlusSecondary 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-DM8310-Rigid-Opaque-Prototyping-Polymer.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 - 65.0 MPa	7250 - 9430 psi	ASTM D638-03
Elongation at Break	10 - 25 %	10 - 25 %	ASTM D638-05
Modulus of Elasticity	2.00 - 3.00 GPa	290 - 435 ksi	ASTM D638-04
Flexural Strength	75.0 - 110 MPa	10900 - 16000 psi	ASTM D790-03
Flexural Modulus	2.20 - 3.20 GPa	319 - 464 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

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