

Proto3000 Objet Digital Materials™ DM_8505Gray35 Rigid Opaque Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Primary material: VeroWhitePlusSecondary material: TangoBlackPlusDigital 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-DM8505Gray35-Rigid-Opaque-Prototyping-Polymer.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 - 60.0 MPa	5800 - 8700 psi	ASTM D638-03
Elongation at Break	15 - 25 %	15 - 25 %	ASTM D638-05
Modulus of Elasticity	1.70 - 2.30 GPa	247 - 334 ksi	ASTM D638-04
Flexural Strength	55.0 - 75.0 MPa	7980 - 10900 psi	ASTM D790-03
Flexural Modulus	1.50 - 2.50 GPa	218 - 363 ksi	ASTM D790-04
Izod Impact, Notched	0.220 - 0.350 J/cm	0.412 - 0.656 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	40.0 - 45.0 °C	104 - 113 °F	ASTM D648-06

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