

Proto3000 Objet Digital Materials™ DM_8530_Gray60 Polypropylene-like 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-DM8530Gray60-Polypropylene-like-Prototyping-Polymer.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.0 - 38.0 MPa	4210 - 5510 psi	ASTM D638-03
Elongation at Break	25 - 35 %	25 - 35 %	ASTM D638-05
Modulus of Elasticity	1.10 - 1.70 GPa	160 - 247 ksi	ASTM D638-04
Flexural Strength	35.0 - 45.0 MPa	5080 - 6530 psi	ASTM D790-03
Flexural Modulus	1.20 - 1.50 GPa	174 - 218 ksi	ASTM D790-04
Izod Impact, Notched	0.210 - 0.400 J/cm	0.393 - 0.749 ft-lb/in	ASTM D256-06

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	38.0 - 41.0 °C	100 - 106 °F	ASTM D648-06

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