

Proto3000 Objet Digital Materials™ DM_4510 Polypropylene-like Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Primary material: DurusWhiteSecondary material: VeroWhitePlus, VeroBlue, VeroBlack or FullCure720Digital 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-DM4510-Polypropylene-like-Prototyping-Polymer.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 - 40.0 MPa	4350 - 5800 psi	ASTM D638-03
Elongation at Break	40 - 50 %	40 - 50 %	ASTM D638-05
Modulus of Elasticity	1.20 - 1.60 GPa	174 - 232 ksi	ASTM D638-04
Flexural Strength	40.0 - 50.0 MPa	5800 - 7250 psi	ASTM D790-03
Flexural Modulus	1.30 - 1.70 GPa	189 - 247 ksi	ASTM D790-04
Izod Impact, Notched	0.350 - 0.450 J/cm	0.656 - 0.843 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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