

Proto3000 Objet Digital Materials™ DM_8425 Rigid Opaque Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Primary material: VeroWhitePlusSecondary material: TangoPlusDigital 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-DM8425-Rigid-Opaque-Prototyping-Polymer.php

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--------------------|------------------------|--------------|
| Tensile Strength at Break | 35.0 - 45.0 MPa | 5080 - 6530 psi | ASTM D638-03 |
| Elongation at Break | 20 - 30 % | 20 - 30 % | ASTM D638-05 |
| Modulus of Elasticity | 1.40 - 2.00 GPa | 203 - 290 ksi | ASTM D638-04 |
| Flexural Strength | 45.0 - 60.0 MPa | 6530 - 8700 psi | ASTM D790-03 |
| Flexural Modulus | 1.40 - 1.80 GPa | 203 - 261 ksi | ASTM D790-04 |
| Izod Impact, Notched | 0.250 - 0.350 J/cm | 0.468 - 0.656 ft-lb/in | ASTM D256-06 |

| Thermal Properties | Metric | English | Comments |
|---|----------------|--------------|--------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 40.0 - 43.0 °C | 104 - 109 °F | ASTM D648-06 |

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