

Proto3000 Objet Digital Materials™ DM_8430 Polypropylene-like 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-DM8430-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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