

## Proto3000 Objet Digital Materials™ DM\_7210 Transparent Prototyping Polymer

Category : Polymer , Rapid Prototyping Polymer

### Material Notes:

Primary material: FullCure720Secondary material: TangoBlackDigital 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-DM7210-Transparent-Prototyping-Polymer.php](http://www.lookpolymers.com/polymer_Proto3000-Objet-Digital-Materials-DM7210-Transparent-Prototyping-Polymer.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 - 55.0 MPa	7250 - 7980 psi	ASTM D638-03
Elongation at Break	15 - 25 %	15 - 25 %	ASTM D638-05
Modulus of Elasticity	2.20 - 2.50 GPa	319 - 363 ksi	ASTM D638-04
Flexural Strength	80.0 - 90.0 MPa	11600 - 13100 psi	ASTM D790-03
Flexural Modulus	2.30 - 2.70 GPa	334 - 392 ksi	ASTM D790-04

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	45.0 - 50.0 °C	113 - 122 °F	ASTM D648-06

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Transparent; thickness not specified

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