

RedEye On Demand PolyJet™ Resin, Black, Rapid Prototyping Material

Category : Polymer , Rapid Prototyping Polymer , Thermoplastic

Material Notes:

Tango PolyJet Resin (TangoGray™ FC950 & TangoBlack™ FC970) is a photopolymer resin designed for precise jetting in super fine layers by PolyJet™ Technology. Parts from the Tango PolyJet Resins simulate the feel of flexible materials such as rubber or silicone. These parts are built at a layer thickness of 16 microns (0.0006 inch or 0.01524mm) and can produce parts with fine feature detail and smooth surfaces. Applications: Our Tango PolyJet Resins are similar to rubber or silicone. Parts from this material can easily stretch to mate with other components. TangoGray (FC950) has a hardness of 75 Shore A, providing controlled flexibility and elasticity. TangoBlack (FC970) provides maximum elasticity with a hardness of 61 Shore A. Tango is expected to be of interest to manufacturers of products with pliable features, such as tires, toys, shoes, gaskets, keypads, over-molding, and flexible automobile trim components.

Order this product through the following link:

http://www.lookpolymers.com/polymer_RedEye-On-Demand-PolyJet-Resin-Black-Rapid-Prototyping-Material.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61	61	ASTM D2240
Tensile Strength, Yield	1.93 MPa	280 psi	ASTM D412
Elongation at Break	47.7 %	47.7 %	ASTM D412
Tear Strength	3.73 kN/m	21.3 pli	ASTM D624
Compression Set	0.80 %	0.80 %	ASTM D395

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-25.0 °C	-13.0 °F	Second Run; DSC (-80°C to +100°C)
	-23.7 °C	-10.7 °F	First Run; DSC (-80°C to +100°C)

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