

Prodways PLASTCure ABS 3650 3D Printing Polymer

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Good chemical resistance. High transparency. Ideal for segments such like medical, electronic, aerospace and automotive markets that demand accurate RTV patterns, durable concept models, highly accurate and humidity & temperature resistant parts. Information provided by Genistar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Prodways-PLASTCure-ABS-3650-3D-Printing-Polymer.php

Physical Properties	Metric	English	Comments
Density	1.15 - 1.20 g/cc	0.0415 - 0.0434 lb/in ³	
Viscosity	150 - 400 cP @Temperature 30.0 °C	150 - 400 cP @Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84 - 85	84 - 85	
Tensile Strength at Break	49.0 - 56.0 MPa	7110 - 8120 psi	ASTM D638
Elongation at Break	4.0 - 8.0 %	4.0 - 8.0 %	ASTM D638
Tensile Modulus	3.55 - 3.65 GPa	515 - 529 ksi	ASTM D638
Flexural Strength	80.0 - 85.0 MPa	11600 - 12300 psi	ASTM D790
Flexural Modulus	2.30 - 2.50 GPa	334 - 363 ksi	ASTM D790
Izod Impact, Notched	0.140 - 0.260 J/cm	0.262 - 0.487 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	55.0 - 58.0 °C	131 - 136 °F	ISO 75-2

Descriptive Properties	Value	Comments
Appearance	Translucent	

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