



ZELTA3D

Prepared at 23 Dec 2020

SLA HIGH DETAILED PLASTIC PROTOTYPING MATERIAL DATASHEET

Description

Our High Detailed Plastic is probably the highest resolution 3D Printing rigid plastic material. It is recommended to be used for design checks, fit test, cosmetic demanding prototypes, figurines, miniatures. This material is generally suitable for highly intricate prototypes.

Technical Data

Material Name	High Detailed Plastic	
Appearance	Opaque White, Opaque Black, Clear	
Viscosity	~350 cps	
Density	~1.2 g/cm ³	
Test Method	Property	Metric
D638M	Tensile Strength at Yield	47 MPa
D638M	Tensile Strength at Break	60 MPa
D638M	Tensile Modulus	2800 MPa
D638M	Elongation at Break	7 %
D638M	Elongation at Yield	3%
D2240	Flexural Modulus	2,200 MPa
D256A	Izod Impact (Notched)	25 J/m
D2240	Hardness (Shore D)	85
D648	HDT @ 0.46 MPa (66 psi)	70 °C
D648	HDT @ 1.81 MPa (264 psi)	58 °C

*DISCLAIMER: Respective users should still conduct their own testing to determine suitability of material we do not make any guarantees or warranties of any kind, expressed or implied. We will only advise based on OEM material specifications.