



ZELTA3D

Prepared at 23 Dec 2020

## SLA DETAILED PLASTIC PROTOTYPING MATERIAL DATASHEET

# Description

Our Detailed Plastic is a rigid opaque prototyping material. It is recommended to be used for design checks, fit test, visual prototype, figurines. This material is generally suitable for cosmetic prototype that does not require demanding or thermal properties.

## Technical Data

<b>Material Name</b>	Detailed Plastic	
<b>Appearance</b>	Opaque White	
<b>Viscosity</b>	~340 cps	
<b>Density</b>	~1.16 g/cm <sup>3</sup>	
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<b>Test Method</b>	<b>Property</b>	<b>Metric</b>
D638M	Tensile Strength at Yield	47 MPa
D638M	Tensile Strength at Break	38 MPa
D638M	Tensile Modulus	2300 MPa
D638M	Elongation at Break	8 %
D638M	Elongation at Yield	3%
D638M	Poisson's Ratio	0.42
D790M	Flexural Strength	66 MPa
D2240	Flexural Modulus	2,200 MPa
D256A	Izod Impact (Notched)	25 J/m
D2240	Hardness (Shore D)	80
D149-97A	Dielectric Strength	17.9 kV/mm
D150-98	Dielectric Constant 60 Hz	3.8
D150-98	Dielectric Constant 1 KHz	3.7
D150-98	Dielectric Constant 1 MHz	3.4
D648	HDT @ 0.46 MPa (66 psi)	50 °C
D648	HDT @ 1.81 MPa (264 psi)	48 °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.