



ZELTA3D

Prepared at 23 Dec 2020

SLA TRANSPARENT | TRANSLUCENT PROTOTYPING MATERIAL DATASHEET

Description

Our Transparent and Translucent Plastic is a rigid, colourless prototyping plastic suitable for product prototype, fit testing, any applications that requires clarity.

Technical Data

Material Name	Transparent Translucent Plastic	
Appearance	Clear	
Viscosity	~165 cps	
Density	~1.13 g/cm ³	
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Test Method	Property	Metric
D638M	Tensile Strength at Yield	47 MPa
D638M	Tensile Strength at Break	55 MPa
D638M	Tensile Modulus	2800 MPa
D638M	Elongation at Break	8 %
D638M	Elongation at Yield	4%
D638M	Poisson's Ratio	0.42
D790M	Flexural Strength	80 MPa
D2240	Flexural Modulus	2,400 MPa
D256A	Izod Impact (Notched)	25 J/m
D2240	Hardness (Shore D)	80
D149-97A	Dielectric Strength	15 kV/mm
D150-98	Dielectric Constant 60 Hz	3.1
D150-98	Dielectric Constant 1 KHz	3.5
D150-98	Dielectric Constant 1 MHz	3.1
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.