



ZELTA3D

Prepared at 23 Dec 2022

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 | |
| 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 |