VeroClear

POLYJET TECHNOLOGY MATERIAL SPECIFICATIONS

Highlights

- Transparent, rigid and accurate
- High dimensional stability
- Produces excellent fine feature detail
- Quickly and economically produces parts
- Available in two Z resolutions
- - PolyJet: 30µm (0.00118”)
- - PolyJet HD: 16µm (0.00063”)

Applications

- Highly accurate presentation models
- Smaller parts with complex features
- Clear medical devices, casings and components for unique reveals
- Transparent electronic housings
- Suitable for a wide range of industries

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Transparent	Transparent
Tensile Strength	ASTM D638	7,250 - 9,450 psi	50-65 MPa
Elongation at Break	ASTM D638	10% - 25%	10% - 25%
Modulus of Elasticity	ASTM D638	290,000 - 435,000 psi	2,000 - 3,000 MPa
Flexural Strength	ASTM D790	11,000 - 16,000 psi	75 - 110 MPa
Flexural Modulus	ASTM D790	320,000 - 465,000 psi	2,200 - 3,200 MPa
Izod Notched Impact	ASTM D256	0.375 - 0.562 ft-lb/in	20 - 30 J/m
Shore D Hardness	-	83 - 86 D	83 - 86 D
Heat Deflection Temperature	ASTM D648 @ 264 psi	113 - 122°F	45 - 50°C
	@ 66 psi	113 - 122°F	45 - 50°C

The information presented represents typical values intended for reference and comparison purposes only. It should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, color etc. Actual values will vary with build conditions. Product specifications are subject to change without notice.

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