

VeroBlackPlus

POLYJET TECHNOLOGY MATERIAL SPECIFICATIONS

Highlights

- Opaque black
- Rigid and durable
- 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
- Medical devices and components
- Electronic housings
- Suitable for a wide range of industries

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Black	Black
Tensile Strength	ASTM D638	8,350 psi	58 MPa
Elongation at Break	ASTM D638	10% - 25%	10% - 25%
Modulus of Elasticity	ASTM D638	362,500 psi	2,500 MPa
Flexural Strength	ASTM D790	13,500 psi	93 MPa
Flexural Modulus	ASTM D790	392,500 psi	2,700 MPa
Izod Notched Impact	ASTM D256	0.47 ft-lb/in	25 J/m
Shore D Hardness	-	85 D	85 D
Heat Deflection Temperature	ASTM D648 @ 264 psi	118°F	48°C
	@ 66 psi	118°F	48°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.

The performance characteristics of these materials may vary according to application, operating conditions, or end use. Each user is responsible for determining that the material is safe, lawful, and technically suitable for the intended application.