

# POLYJET MATERIAL SPECIFICATIONS

## PolyJet HD Blue

### Highlights

- General purpose, pale blue prototyping plastic
- Layer thickness is 0.006", the thinnest available-giving a better raw surface finish
- Best accuracy and edge visualization
- Best fine feature detail available
- Highest resolution

### Applications

- Highly accurate presentation models
- Smaller parts with complex features
- Medical devices and components
- Best for designs with high feature density
- Suitable for a wide range of industries

## TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	Pale Blue	Pale Blue
Tensile Strength	ASTM D638	7,990 psi	55.1 MPa
Elongation at Break	ASTM D638	15% - 25%	15% - 25%
Modulus of Elasticity	ASTM D638	397,400 psi	2,740 MPa
Flexural Strength	ASTM D790	12,100 psi	83.6 MPa
Flexural Modulus	ASTM D790	287,610 psi	1,983 MPa
Izod Notched Impact	ASTM D256	0.8 ft-lb/in	42.5 J/m
Hardness (Shore D)	n/a	83 D	83 D
Heat Deflection Temperature	ASTM D648 @ 264 psi	113°F	45°C
	ASTM D648 @ 66 psi	120°F	49°C
Compression Strength	ASTM D695	11,500 psi	79.3 MPa

The material properties provided herein are for reference purposes only. Actual values may vary significantly as they are dramatically affected by part geometry and process parameters. Material specifications are subject to change with out notice.