



ColorPlusClear

POLYJET TECHNOLOGY MATERIAL SPECIFICATIONS

Highlights

- Build parts in opaque color and/or color tinted transparencies
- Encase colored geometry in a water-clear, glass-like shell, allowing for the finest of details to be printed
- Combine VRML and image files to produce photo-realistic parts
- Better communicate ideas or product design in color
- PolyJet Multi-Color, ColorPlusClear comes in a 27 micron (~.00106") resolution

Applications

- Anatomical modeling or medical applications
- Fluid analysis
- FEA parts
- Affordable concept models
- Presentation models
- Training tools

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Multi-Color	Multi-Color
Tensile Strength	ASTM D-638-03	7,250-9,450 psi	50-65 MPa
Elongation at Break	ASTM D-638-05	10-25%	10-25%
Modulus of Elasticity	ASTM D-638-04	290,000-435,000 psi	2,000-3,000 MPa
Flexural Strength	ASTM D-790-03	11,000-16,000 psi	75-110 MPa
Flexural Modulus	ASTM D-790-04	320,000-465,000 psi	2,200-3,200 MPa
Izod Notched Impact	ASTM D-256-06	0.375-0.562 ft lb/inch	20-30 J/m
Shore D Hardness	Scale D	83-86	83-86
Heat Deflection Temperature	ASTM D-648-07	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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