



Amber Clear

POLYJET TECHNOLOGY MATERIAL SPECIFICATIONS

Highlights

- Multi-purpose, amber clear prototyping plastic
- Suitable for wide range of rigid models, particularly where visibility of liquid flow or internal details is needed
- Quickly and economically produces parts
- Available in two Z resolutions
 - PolyJet: 30µm (0.00118")
 - PolyJet HD: 16µm (0.00063")
- Also known as "FullCure (RGD720)"

Applications

- Form and fit testing of clear or see-through parts
- Glass, eye-wear, lighting covers and light-cases
- Visualization of liquid flow
- Color dyeing
- Artistic and exhibition modeling
- Medical applications

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Amber Clear	Amber Clear
Tensile Strength	ASTM D638	8350 psi	58 MPa
Elongation at Break	ASTM D638	15% - 25%	15% - 25%
Modulus of Elasticity	ASTM D638	362,500 psi	2,500 MPa
Flexural Strength	ASTM D790	14,000 psi	95 MPa
Flexural Modulus	ASTM D790	435,000 psi	3,000 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.

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