



Rigur

POLYJET TECHNOLOGY MATERIAL SPECIFICATIONS

Highlights

- Simulated polypropylene photopolymer
- Improved toughness
- Increased dimensional stability
- Excellent surface finish
- Bright white color
- Replaced RGD430

Applications

- Ideal for flexible closures and living hinges
- Reusable containers and packaging
- Industries including consumer goods, household appliances, consumer electronics, and automotive parts

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Bright White	Bright White
Tensile Strength	ASTM D638	5800 psi	40 MPa
Elongation at Break	ASTM D638	20%	20%
Modulus of Elasticity	ASTM D638	246,000 psi	1,700 MPa
Flexural Strength	ASTM D790	7,500 psi	52 MPa
Flexural Modulus	ASTM D790	217,000 psi	1,500 MPa
Izod Notched Impact	ASTM D256	0.561 ft-lb/in	30 J/m
Shore D Hardness	Scale D	80 D	80 D
Heat Deflection Temperature	ASTM D648 @ 264 psi	113°F	45°C
Heat Deflection Temperature	ASTM D648 @ 66 psi	120°F	49°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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