

High Strength

Urethane casting material specifications

Technical Data

Measurement	Condition	
Color/Appearance	Visual	Transparent Pale Yellow
Density, (g/cc)	ASTM D792-00	1.20
Hardness, Shore D	ASTM D2240-04e1	84 ± 2
Tensile Strength, (psi)	ASTM D638-03	10,060
Tensile Modulus, (psi)	ASTM D638-03	3.3x10 ⁵
Elongation, (%)	ASTM D638-03	10.5
Flexural Strength, (psi)	ASTM D790-03	13,700
Flexural Modulus, (psi)	ASTM D790-03	3.6x10 ⁵
Izod Impact, notched (ft-lb/in)	ASTM D256-05	1.14
Heat Deflection Temperature @ 66 psi	ASTM D648-04	190°F (88°C)
Heat Deflection Temperature @ 264 psi	ASTM D648-04	170°F (77°C)

The above values are meant to represent typical properties and should be used for reference and comparison purposes only. Final part properties and end use performance may not reflect published data due to variables such as part design and complexity, operating and/or test condition environment, application, color, etc. The customer and/or end user is responsible for verifying the material is safe, lawful, and technically suitable for the intended application and assumes all associated risks and liability. 3D Systems makes no warranty, expressed or implied, of the fitness for a particular use, merchantability, or warranty against patent infringement.

Features

- Extremely stiff, high impact, translucent Shore D material that is RoHS compliant.
- Ideal for prototype and low volume production applications that require exact color matching, high impact strength and high heat distortion.



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