

# Polyethylene-Like

Urethane casting material specifications

## Technical Data

Measurement	Condition	
Color/Appearance	Visual	Translucent Pale Yellow
Density, (g/cc)	ASTM D792-00	1.13
Hardness, Shore D	ASTM D2240-04e1	70 ± 2
Tensile Strength, (psi)	ASTM D638-03	3,310
Tensile Modulus, (psi)	ASTM D638-03	71,350
Elongation, (%)	ASTM D638-03	28.3
Flexural Strength, (psi)	ASTM D790-03	3,315
Flexural Modulus, (psi)	ASTM D790-03	84,680
Izod Impact, notched (ft-lb/in)	ASTM D256-05	1.78
Heat Deflection Temperature @ 66 psi	ASTM D648-04	240°F (116°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. Quickparts makes no warranty, expressed or implied, of the fitness for a particular use, merchantability, or warranty against patent infringement.

## Features

- Tough, RoHS compliant, non-mercury based Shore D polyurethane.
- Applications include prototype and low volume production parts requiring exceptionally high impact and high heat deflection.



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