



# PT8958

## COMPOSITECAST MATERIAL SPECIFICATIONS

### Highlights

- Fast processing of complex parts and panels without hard tooling
- When compared to QuantumCast, PT8958 used in CompositeCast experiences 167% gain in heat deflection temperature @ 66 psi
- Composite-like performance (i.e., high flex modulus, high impact strength)
- Tough and stiff cast parts

### Applications

- Medical imaging programs
- Medical device covers

## TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
<a href="#">Color/Appearance</a>	Visual	Amber	Amber
<a href="#">Tensile Strength</a>	ASTM D638	12,200 psi	84 MPa
<a href="#">Tensile Modulus</a>	ASTM D638	601,000 psi	4,143 MPa
<a href="#">Elongation at Break</a>	ASTM D638	2.6%	2.6%
<a href="#">Flexural Modulus</a>	ASTM D790	582,000 psi	4,012 MPa
<a href="#">Izod Notched Impact</a>	ASTM D256	3.20 ft-lb/in	190 J/m
<a href="#">Hardness (Shore D)</a>	-	82 D	82 D
<a href="#">Heat Deflection Temperature</a>	ASTM D648 @ 66 psi	468°F	242°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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