



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
- PT8958 meets the requirements of the UL94 V-0 specification for flammability in 1/8 inch thickness.

Applications

- Medical imaging programs
- Medical device covers

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Amber	Amber
Tensile Strength	ASTM D638	14,741 psi	101 MPa
Tensile Modulus	ASTM D638	847,685 psi	5,844 MPa
Elongation at Break	ASTM D638	2.6%	2.6%
Flexural Modulus	ASTM D790	582,000 psi	4,012 MPa
Izod Notched Impact	ASTM D256	6.172 ft-lb/in	325 J/m
Hardness (Shore D)	ASTM 2240	82 D	82 D
Heat Deflection Temperature @ 66 psi	ASTM D648	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.

The performance characteristics of these materials may vary according to application, operating conditions, or end use. Each user is responsible for determining that the material is safe, lawful, and technically suitable for the intended application. Stratasys makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use, or warranty against patent infringement.