AFP3100FR

COMPOSITECAST MATERIAL SPECIFICATIONS

Highlights

- Fast processing of parts and panels without hard tooling
- When compared to QuantumCast, AFP3100FR used in CompositeCast experiences 163% gain in Izod Impact Strength
- Composite-like performance (i.e., high flex modulus, high impact strength)
- Tough and stiff cast parts

Applications

- Medical device covers
- Consumer electronic applications
- Aerospace panels
- Thin-walled cosmetic covers
- Parts requiring high-impact strength

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Off White	Off White
Tensile Strength	ASTM D638	11,000 psi	75 MPa
Tensile Modulus	ASTM D638	556,000 psi	3,900 MPa
Elongation at Break	ASTM D638	2.6%	2.6%
Flexural Modulus	ASTM D790	567,000 psi	3,900 MPa
Izod Notched Impact	ASTM D256	4.22 ft-lb/in	225 J/m
Hardness (Shore D)	-	81 D	81 D
Heat Deflection Temperature	ASTM D648 @ 66 psi	442°F	227°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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