

# COMPOSITECAST MATERIAL SPECIFICATIONS



## AFP3100FR

### Highlights

- Fast processing of complex 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

Property	Test Method	English	Metric
Color/Appearance	Visual	Off White	Off White
Tensile Strength	ASTM D 638	11,000 psi	75 MPa
Tensile Modulus	ASTM D 638	556,000 psi	3,900 MPa
Elongation at Break	ASTM D 638	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)	n/a	81 D	81 D
Heat Deflection Temperature	ASTM D 648 @ 66 psi	442°F	227°C



The material properties provided herein are for reference purposes only. Actual values may vary significantly as they are dramatically affected by part geometry and process parameters. Material specifications are subject to change with out notice.