

QUANTUMCAST MATERIAL SPECIFICATIONS

U0075DB

Highlights

- Very good color ability
- Good general purpose urethane material
- Good elongation to break

Applications

- Electronic packaging
- Large castings
- Quantum casting

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	White	White
Density	ASTM D792	0.0397 lb/in ³	1.10 gm/cc
Elongation at Break	ASTM D638	11%	11%
Flexural Modulus	ASTM D790	174,155 psi	1,201 MPa
Flexural Strength	ASTM D790	5,870 psi	40 MPa
Heat Deflection Temperature @ 66 psi	ASTM D648	150°F	66°C
Izod Impact Strength (method A, notched)	ASTM D256	0.39 ft-lb/in	21 J/m
Shore D Hardness	ASTM D2240	75 D	75 D
Tensile Strength	ASTM D638	5,500 psi	38 MPa



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.