

QUANTUMCAST MATERIAL SPECIFICATIONS

U0080DC

Highlights

- Water clear
- Tintable



Applications

- Lenses
- Housings

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	Clear	Clear
Density	ASTM D792	0.0426 lb/in ³	1.18 gm/cc
Elongation at Break	ASTM D638	7%	7%
Flexural Modulus	ASTM D790	396,000 psi	2,730 MPa
Flexural Strength	ASTM D790	7,230 psi	50 MPa
Heat Deflection Temperature @ 66 psi	ASTM D648	160°F	71°C
Izod Impact Strength (method A, notched)	ASTM D256	0.36 ft-lb/in	19 J/m
Shore D Hardness	ASTM D2240	79 - 80 D	79 - 80 D
Tensile Modulus	ASTM D638	288,000 psi	1,986 MPa
Tensile Strength	ASTM D638	8,680 psi	60 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.