

QUANTUMCAST MATERIAL SPECIFICATIONS

AFP3400

Highlights

- Very good impact resistance

Applications

- Prototype parts having mechanical properties close to polypropylene or HDPE, such as wheel wells, hoods, bumpers, fenders, strollers and infant seats

TYPICAL PHYSICAL PROPERTIES

| Property | Test Method | English | Metric |
|--|-------------|---------------------------|--------------|
| Color/Appearance | Visual | Amber | Amber |
| Density | ASTM D792 | 0.0390 lb/in ³ | 1.08 gm/cc |
| Elongation at Break | ASTM D638 | 100% | 100% |
| Flexural Modulus | ASTM D790 | 72,500 psi | 500 MPa |
| Flexural Strength | ASTM D790 | 4,300 psi | 30 MPa |
| Glass Transition Temperature E (onset) | ASTM D4065 | 194°F - 212°F | 90°C - 100°C |
| Shore D Hardness | ASTM D2240 | 70 D | 70 D |
| Tensile Modulus | ASTM D638 | 76,800 psi | 530 MPa |
| Tensile Strength | ASTM D412 | 3,600 psi | 25 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.