

# PC-ABS

**Technology: FDM**
**COLOR OPTIONS:** ■ Opaque Black

**APPLICATIONS:**

Conceptual modeling, functional prototypes, manufacturing tools and end-use parts.

**DESCRIPTION:**

CFDM Technology uses the same tried and tested thermoplastics found in traditional manufacturing processes. PC-ABS is one of the most widely used industrial thermoplastics and has the best impact resistance of any FDM material.

**FEATURES:**

Offers the most desirable properties of two materials –superior strength and heat resistance of PC and the flexibility of ABS.

**TECHNICAL DATA**

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	41 MPa
Modulus of Elasticity, Youngs Modulus	D638M	1,900 MPa
Elongation Break (%)	D638M	6 %
Flexural Strength	D790M	68 MPa
Flexural Modulus	D790M	1,900 MPa
IZOD Impact Strength (notched)	D256A	196 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	110 °C