

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