



PC-ABS Polycarbonate (Standard grade)

Key Features

Strength • Heat resistance

Applications

Prototyping • End-use parts • Tooling •
Electronics • Consumer goods

Product Description

PC-ABS blends the strength and heat resistance of polycarbonate with the flexibility of ABS, providing excellent mechanical properties. This material is ideal for a wide range of applications, including prototypes, tooling, and end-use parts.

Properties

Young's modulus (X/Y, Z)	1,835, 1,677 MPa
Tensile strength (X/Y, Z)	39.9, 22.9 MPa
Elongation at break (X/Y, Z)	4.2, 1.5%
Flexural strength	66.3 MPa
Flexural modulus	2,081 MPa
Heat deflection temperature (0.45 MPa)	111.7°C
Heat deflection temperature (1.80 MPa)	106.4°C
Glass transition temperature	109°C
Vicat softening temperature	135°C
Density	1.1 g/cm ³

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

