

PC (Polycarbonate)

Key Features

Impact resistance • Transparency • Flame retardancy • Heat resistance > 100°C

Applications

End-use parts • Automotive • Electronics • Healthcare • Consumer goods

Product Description

PC (Polycarbonate) is a high-impact, flame-retardant resin known for its exceptional toughness, dimensional stability, and optical clarity. Ideal for injection molding, this material is widely used in the automotive industry for headlamp lenses and instrument panels, electrical and electronics for housings and connectors, consumer goods like protective covers and eyewear lenses, construction for glazing and safety windows, and healthcare for medical device components.

Properties*

Tensile strength	61.4 MPa
Elongation at break	110%
Flexural strength	89.6 MPa
Flexural modulus	2,350 MPa
Notched Izod impact (23°C)	850 J/m
Heat deflection temperature (0.45 MPa)	136°C
Heat deflection temperature (1.80 MPa)	125°C
Density	1.2 g/cm ³
Flame retardancy (1.6 mm)	UL 94 V-2

*Based on material AuroraGuard™ 0616R

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.

