

PBT glass-filled (30%)

Key Features

Chemical resistance • Heat resistance > 200°C • Stiffness • RoHS compliance • Electrical insulation

Applications

End-use parts • Jigs & fixtures • Tooling • Electronics • Consumer goods

Product Description

AuroraGuard™ PBT-30GF-10285 is a 30% glass fiber-reinforced polybutylene terephthalate engineered for injection molding of structural and electrical parts. The reinforcement improves stiffness, dimensional stability, and creep resistance over unfilled PBT, making it ideal for automotive housings, motor components, appliance frames, and electrical connectors exposed to heat and mechanical stress. It offers high rigidity up to 203 °C (HDT), low shrinkage, and strong chemical resistance, ensuring reliable performance in demanding environments.

Properties*

Tensile strength	117 MPa
Elongation at break	2.5%
Flexural strength	184 MPa
Flexural modulus	7,930 MPa
Notched izod impact (23°C)	75 J/m
Heat deflection temperature (1.80 MPa)	203°C
Softening temperature	°C
Density	1.53 g/cm ³
Flame retardancy UL94 (1.5 mm)	HB

*Based on material AuroraGuard™ PBT-30GF-10285

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.

