

PPE-PS

Key Features

Heat resistance > 100°C • Flame retardancy • Stiffness • Electrical insulation

Applications

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

Product Description

PPE-PS is a high-performance resin known for its excellent heat resistance, mechanical strength, and flame retardancy. This material offers good dimensional stability and electrical insulation properties, making it suitable for automotive components like connectors and housings, electrical enclosures and circuit boards, durable consumer goods, industrial pump components, and construction materials requiring fire resistance.

Properties*

Tensile strength	83 MPa
Tensile elongation	25%
Flexural strength	84 MPa
Flexural modulus	2,410 MPa
Notched Izod Impact (23°C)	240 J/m
Heat deflection temperature (0.45 MPa)	136°C
Heat deflection temperature (1.80 MPa)	124°C
Density	1.06 g/cm ³
Flame retardancy (1.6 mm)	UL 94-HB

*Based on material AuroraGuard™ 21204

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.

