

Polypropylene (PP)

Key Features

Impact resistance • Chemical resistance •
Dimensional stability • Weldability

Applications

Prototyping • End-use parts • Automotive •
Engineering • Medicine, dentistry • Consumer
goods

Product Description

Polypropylene (PP) for MJF technology offers excellent surface resolution and feature details. It boasts fully dense and nearly isotropic mechanical properties, along with outstanding chemical resistance and low moisture absorption. It's ideal for high-volume functional prototypes and limited-run production. Common applications include electronic system housings, guides, grommets, clips, covers, fuel and oil housings, environmental control system components such as fan housings, plenums, ducting, valves, divertors, and vents.

Properties

Tensile modulus	1,600 MPa
Tensile strength	30MPa
Elongation at break (X/Y, Z)	20, 18%
Heat deflection temperature (0.45 MPa)	100°C
Heat deflection temperature (1.80 MPa)	60°C
Density	0.89 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.

