

RPU 70

Key Features

Strength • High ductility • Stiffness • Biocompatibility

Applications

End-use parts • Automotive • Engineering • Consumer goods

Product Description

RPU 70 (Rigid Polyurethane) is characterized by its stiffness and strength, boasting an ultimate tensile strength of 35 MPa. This versatile material finds application across various industries such as consumer products, automotive, and industrial sectors. Comparable to ABS, RPU 70 offers toughness, rigidity, and moderate heat resistance, making it an ideal choice for parts demanding strength and durability.

Properties

Tensile modulus	1,700 MPa
Tensile strength	40 MPa
Elongation at break	30%
Flexural stress (at 5% strain)	55 MPa
Flexural modulus	1,500 MPa
Heat deflection temperature (0.45 MPa)	60°C
Heat deflection temperature (1.80 MPa)	45°C
Coefficient of Thermal Expansion (-40, 40 °C)	100 ppm/°C
Density	1.08 g/cm ³
Hardness	80D
Flame retardancy	UL 94 HB

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.

