

# Data Sheet: RPU 70

*(Rigid Polyurethane)*

## Details

This is a stiff material with high strength. It has moderate resistance to heat with heat deflection temperature of 60°C. It provides excellent surface finish. It is used for housings, clips, covers, and brackets across a wide range of industries.

## Key Features

Stiff • Moderate resistance to heat • High strength

## Mechanical Properties

Property	Value
Tensile strength [MPa]	45
Modulus of elasticity [GPa]	1.9
Flexural strength [MPa]	62
Flexural modulus [GPa]	1.8
Hardness	80
Impact strength [KJ/m <sup>2</sup> ]	1.83
Elongation at break [%]	100

## Other Properties

Property	Value
Density [g/cm <sup>3</sup> ]	1.076
Water Absorption [%]	0.31
Electrical Resistivity [ohm-cm]	$8 \times 10^{14}$
Heat deflection [°C]	70

Coefficient of thermal expansion [K-1 · 10-6]	96
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## Reference

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