



PU8570, PP-like

Alternative Designations

Hei-Cast 8570

Key Features

High flexural modulus • Heat resistant up to 90°C • Flexible • Durable

Description

The PP (PU8570) material is extensively used by manufacturers to vacuum cast interior and exterior components of the automobile. It consists of 3 components 2 Polyols and 1 Isocyanate mixed at the ratio of (Polyol 1 + Polyol 2) : Isocyanate. This material is suitable to manufacture large parts and has a long service life as well.

Mechanical Properties

Tensile strength	50 MPa
Elongation at break	35%
Flexural strength	65 MPa
Flexural modulus	1.6 GPa
Hardness	85

Thermal Properties

Heat deflection temperature (1.80 MPa)	90°C
Heat deflection temperature (0.45 MPa)	90°C

Physical Properties

Density	1.11 – 1.17 g/cm ³
---------	-------------------------------

Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit Materialdatacenter.com for further information on this material.