



Data Sheet

PU8098, PC-like

Alternative Designations

Hei-Cast 8098

Key Features

High tensile strength and impact resistance •
Suitable for vacuum casting • Low density • Durable

Description

It is a polyurethane resin developed with the combination of Polyol (A) and Isocyanate (B). The mixing ratio will be A:B = 100:250. The material has the impact strength of 10 KJ/m² and its possible de-mould time is 60 minutes. The PC (PU8098) is mainly used by the manufacturers to develop top-quality products through vacuum cast moulding.

Mechanical Properties

Tensile strength	70 MPa
Elongation at break	10%
Flexural strength	75 MPa
Flexural modulus	1.6 GPa
Hardness (Shore D)	85

Thermal Properties

Heat deflection temperature (1.80 MPa)	120°C
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Physical Properties

Density	1.09 – 1.2 g/cm ³
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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.