



UP6160, PC-like

Alternative Designations

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Key Features

High thermal resistance • Yellowish appearance • Easy to paint • Excellent processability

Description

The material has good reproduction accuracy and is mainly used to manufacture parts with high thermal resistance ability. PC (UP6160) is a vacuum casting resin with 200 – 300 mPa.s viscosity. The material is made with the composition of POLYOL and ISOCYANATE. It has the impact strength of 34 – 44 J/m.

Mechanical Properties

Tensile strength	59 – 69 MPa
Elongation at break	15 – 16%
Flexural strength	108 – 128 MPa
Flexural modulus	2.1 – 2.2 GPa
Hardness (Shore D)	80 – 81

Thermal Properties

Heat deflection temperature (1.80 MPa)	190 – 200°C
Softening temperature	237°C

Physical Properties

Density	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.