



PX5210HT, PMMA / Acrylic-like

Alternative Designations

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Key Features

High resistance against impact • Clear/transparent • Heat resistant • Easy to process

Description

The material has a viscosity of 500 – 650 MPa and is developed with the combination of UPX5210 POLYOL, UPX5210 ISOCYANATE, and UPX5210-S POLYOL. All of the combined to produce PX5210HT. The material is resistant to heat up to 105°C and is used to produce vacuum cast parts.

Mechanical Properties

Tensile strength	65 – 70 MPa
Elongation at break	15 – 20%
Flexural strength	90 – 95 MPa
Flexural modulus	2 – 2.2 GPa
Hardness (Shore D)	83

Thermal Properties

Softening temperature	105°C
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Physical Properties

Density	1.1 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.