



# UPX5210, PMMA / Acrylic-like

## Alternative Designations

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## Key Features

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Low shrinkage • Easy to process • Transparent • Resistant against UV rays • Easy to polish

## Description

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Acrylic (UPX5210) is an anti-UV transparent urethane resin and is mainly used for casting in silicone molds. The material produces transparent parts having up to 50 mm wall thickness. The UPX5210 is a 3-component product and is developed by the mixing of Isocyanate and polyols. It also offers good resistance against UV-rays.

## Mechanical Properties

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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

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Softening temperature	80°C
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## Physical Properties

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Density	1.1 g/cm <sup>3</sup>
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## Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://Materialdatacenter.com) for further information on this material.