



UP4280, ABS-like

Alternative Designations

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Key Features

Suitable for prototyping • Easy to process • High mechanical properties • Heat resistance up to 100°C

Description

The ABS (UP4280) material must be used along with the polyol and UP 4280-2 (ISOCYANATE). It can be vacuum casted in the silicone mould to manufacture high-end prototypes and mock-up having properties similar to thermoplastic such as filled ABS and polystyrene. UP4280 is colorless but after mixing it with other materials it appears in off-white (C/2), black (K/2), or light beige (N/2) color, depending upon the color of polypol mixed with it.

Mechanical Properties

Tensile strength	84 MPa
Elongation at break	13%
Flexural strength	95 MPa
Flexural modulus	2.1 GPa
Hardness (Shore D)	81

Thermal Properties

Heat deflection temperature (1.80 MPa)	93°C
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Physical Properties

Density	1.17 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.