



Data Sheet

PX510, PC-like

Alternative Designations

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Key Features

Low viscosity • Odorless • Easy to handle • UV resistant • Excellent mechanical properties

Description

It is a vacuum injection moulding resin consists of Polyol and Isohydrogen ester. Some of the most common applications of PC (PX510) are vacuum casted parts such as prototypes, models, figurines and other toys. Another well-known use is in the manufacture of clear plastic packaging such as blister packs. PC (PX510) offers excellent properties similar to thermoplastic materials.

Mechanical Properties

Tensile strength	40 MPa
Elongation at break	20%
Flexural strength	56 MPa
Flexural modulus	1.5 GPa
Hardness (Shore D)	80

Thermal Properties

Softening temperature	65°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](https://www.materialdatacenter.com) for further information on this material.