



Data Sheet

PX223HT, PC-ABS-like

Alternative Designations

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Key Features

Good impact resistance and flowability • Black color
• Temperature resistant • High flexural resistance

Description

It is a type of urethane material for vacuum casting applications. Some of the most common applications of PC/ABS include low-volume production or prototyping of heat-resistant parts. It comes in black color and does not possess any colorability. Due to its low viscosity, the material is easy to cast and the products manufactured with PC/ABS (PX223HT) material holds excellent impact resistance.

Mechanical Properties

Tensile strength	59 MPa
Elongation at break	10%
Flexural strength	81 MPa
Flexural modulus	1.9 GPa
Hardness (Shore D)	80

Thermal Properties

Heat deflection temperature (1.80 MPa)	110°C
Softening temperature	120°C

Physical Properties

Density	1.14 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.