

Industrial Heat resistant, PC-like

Alternative Designations

Heat resistant Polycarbonate

Key Features

High strength • Stiff • High dimensional stability • Amber colour

Description

It is a new type of plastic that is designed to be more heat resistant than traditional PC plastics. It is also known for its high impact strength, making it ideal for use in products subject to high stress or vibration levels. Heat-resistant PC-like is also chemical resistant and has a low coefficient of friction. This makes it an ideal material for applications where heat resistance is required, such as in electrical and electronic components

Mechanical Properties

Tensile modulus	4000 MPa
Ultimate tensile strength	80 MPa
Elongation at break	4%
Flexural strength	109 MPa
Flexural modulus	3300 MPa
Hardness (Shore D)	95

Thermal Properties

Heat deflection temperature (0.45 MPa)	230°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.