



Data Sheet

PU8263, ABS-like

Alternative Designations

Hei-Cast 8263

Key Features

Flame retardant • High physical and dimensional stability • Suitable for vacuum casting

Description

ABS PU8263 is a high-strength, heat-resistant and wear-resistant material. It is generally used for vacuum casting of high-strength parts. The material is a kind of pre-oxidized polyurethane resin. It has high crosslinking density and good dimensional stability. It is suitable to develop prototypes that require UL94 V-0 and 5VA specifications.

Mechanical Properties

Tensile strength	68 MPa
Elongation at break	15%
Flexural strength	93 MPa
Flexural modulus	2.2 GPa
Hardness (Shore D)	83

Thermal Properties

Heat deflection temperature (1.80 MPa)	80°C
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Physical Properties

Density	1.19 – 1.3 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.