

PU8263, ABS-like

Key Features

Flame retardancy • Stiffness • Impact resistance • Smooth surface

Applications

Prototyping • End use parts • Electronics • Engineering

Product Description

PU8263 is a flame-retardant ABS-grade polyurethane resin for vacuum casting, combining UL94 V-0 and 5VA flame ratings with excellent dimensional stability and mechanical performance. With low shrinkage (~0.3%), good impact resistance (10 kJ/m²), and stable processing behavior, PU8263 is ideal for applications requiring rigid, flame-retardant, ABS-like properties in functional testing and small-series manufacturing.

Properties

Tensile strength	68 MPa
Elongation at break	15%
Bending strength	93 MPa
Young's modulus in flexure	2,200 MPa
Impact strength	10 kJ/m ²
Heat deflection temperature (1.80 MPa)	80°C
Coefficient of thermal expansion	8x10 ⁵
Density	1.3 g/cm ³
Hardness	V-0 (2.5mm), 5VA (3.0 mm)
Flame retardancy (UL94)	83D

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

