Data Sheet

PSU

Alternative Designations

Polysulfone

Key Features

Thermally stable • Resistant to chemicals • Strong

Description

It is known for its durability and resistance to heat and chemicals.This is a transparent material. It is tough and rigid with good thermal stability and resistance to chemicals. It has high strength and can operate at high temperatures of 160°C. It has good electrical insulation properties and dimensional stability. It is used for automotive parts, medical components, electrical insulators and appliances.

Mechanical Properties

Tensile modulus	2600 MPa
Tensile strength	80 MPa
Elongation at break	50%
Flexural strength	106 MPa
Flexural modulus	2.69 GPa
Hardness (Shore D)	93

Thermal Properties

Melting temperature (20°C/min)	332°C
Heat deflection temperature (1.80 MPa)	169°C
Softening temperature	183°C

Physical Properties

Density	1.24 g/cm^3

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.