

Data Sheet: SLS-PA12GB-Glass filled

Details

This is a whitish polyamide 12 powder that is glass filled. Its stiffness is excellent and it has good elongation at break. It produces highly smooth parts with excellent mechanical properties and accuracy.

Key Features

High stiffness · Wear resistant · High dimensional accuracy

Thermal Properties

Property	Value
Heat deflection [°C]	
Glass transition temperature [°C]	
Vicat softening temperature [°C]	
Coefficient of thermal expansion [K-1 · 10-6]	
Thermal conductivity [W/m · K]	
Specific heat capacity [J/kg · K]	
Melting point [°C]	185 - 188

Mechanical Properties

Property	Value
Tensile strength [MPa]	48
Modulus of elasticity [GPa]	3.2
Flexural strength [MPa]	42
Flexural modulus [GPa]	2.5
Hardness	80

Elongation at break [%]	9
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Physical Properties

Property	Value
Density [g/cm ³]	1.22
Water Absorption [%]	
Electrical Resistivity [ohm-cm]	

Reference

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