

Data Sheet: Nylon PA 12 Alumide

Details

This material is a metallic grey polyamide powder filled with aluminium. It has high stiffness and good post processing abilities.

Key Features

High dimensional accuracy · High thermal conductivity · Machinability

Thermal Properties

Property	Value
Melting point [°C]	172 – 180

Mechanical Properties

Property	Value
Tensile strength [MPa]	48
Modulus of elasticity [GPa]	3.8
Hardness	76
Elongation at break [%]	4

Physical Properties

Property	Value
Density [g/cm ³]	1.2
Colour	Metallic grey
Wall thickness (mm)	1.5



Manufacturing On Demand

Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://www.materialdatacenter.com) for further information on this material.