

POM

Technical Data Sheet

Description	Polyoxymethylene (POM), also known as polyacetal or acetal.
Key Features	High stiffness, Low wear, Good resilience, Low water absorption.
Applications	Gears, Springs, Screws, Chains, Handles, Zippers, Fuel pumps, Inhalers, etc.

1. Identification

Trade name	POM
Chemical name	Polyoxymethylene
Chemical family	Polyacetal or Acetal
Use	Monofilament for 3D printing

2. Filament Processing Parameters

Nozzle Temperature	190 ± 15°C
Bed Temperature	120 °C

3. Material Properties - Tensile Test

Test Method: ASTM D 792

Test Parameters	Results
Tensile Strength (MPa)	-
Elongation at Break (%)	-
Flexural Strength (MPa)	-
Tensile Modulus (MPa)	-
Optical Transmittance(%)	-
Compressive Strength (MPa)	-
Density(g/cm ³)	1.4