

Specification Sheet

Description: Polyoxymethelene (POM)
Material: L01/000

Property	Spec	Value
Hardness	DIN 53505	
Hardness	DIN 53505	85D
Specific Gravity	DIN 53479	1.41 g/cm ³
Tensile Strength	DIN 53504	70 N/mm ²
Ultimate Elongation	DIN 53504	40%
20% Modulus	DIN 53504	
100% Modulus	DIN 53504	
300% Modulus	DIN 53504	
Tear Strength	DIN 53507	
Abrasion	DIN 53516	
Impact Resilience	DIN 53512	
Compression Stength 10% Deformation, 73° F	ASTM D695	16,000 PSI
Brittle Point	DIN 53479	
Minimum Service Temp.		-45° C -49° F
Maximum Service Temp.		100° C 212° F
Color		White / Black

Description:

POM is a crystalline thermoplastic polymer which has high pressure and extrusion strength. This along with its relatively low moisture absorption make this material suitable for many applications. Some of the more common uses include anti-extrusion rings, wear bushings, scrapers, and precision machined components. With its low moisture absorption and high tensile strength, the dimensional stability of close tolerance fabricated parts is excellent.