

Material Specification

L01

Polyoxymethylene POM

Material Specification					
Created: MZ	Date: 10/13/10	Revision: A	Released: 10/14/10	Material Code: L01	Description: Thermoplastic

1. Scope

This document describes property requirements for a material primarily used in bearing applications.

2. Specification

Hardness	DIN 53505	85D
Density	DIN 53479	1.41 g/cm ³
Tensile Strength	DIN 53504	70 N/mm ²
Ultimate Elongation	DIN 53504	40%
Compression Strength (10% deformation @ 73° F)	ASTM D695	16,000 PSI
Minimum Service Temp.		-45 °C
		-49 °F
Maximum Service Temp.		110 °C
		212 °F
Color		White/Black

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3. Test References

Hardness	DIN 53505
Density	DIN 53479
Tensile Strength	DIN 53504
Ultimate Elongation	DIN 53504
Compression Strength	ASTM D695

4. Revisions -

Revision: A
Date: 10/13/2010
Written By: MEZ
Approved: JDK
Date Approved: 10/14/10
Reason: Updated to new format

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