

# Material Specification

## L02

### Polyamide 6/6 Nylon-PA6

Material Specification					
Created: MZ	Date: 10/13/10	Revision: A	Released: 10/14/10	Material Code: L02	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 <sup>3</sup>
Tensile Strength	DIN 53504	71 N/mm <sup>2</sup>
Ultimate Elongation	DIN 53504	200%
Compression Strength (10% deformation @ 73° F)	ASTM D695	13,500-16,000 PSI
Minimum Service Temp.		-35 °C
		-31 °F
Maximum Service Temp.		110 °C
		212 °F
Color		Cream

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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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