

Specification Sheet

Description: Polyamide (Nylon)
Material: L02/000

<u>Property</u>	<u>Spec</u>	<u>Value</u>
Hardness	DIN 53505	
Hardness	DIN 53505	85D
Specific Gravity	DIN 53479	1.41 g/cm ³
Tensile Strength	DIN 53504	71 N/mm ²
Ultimate Elongation	DIN 53504	200%
20% Modulus	DIN 53504	
100% Modulus	DIN 53504	
300% Modulus	DIN 53504	
Flexural Modulus	ASTM D790	0.42-0.50 (Lbs/Sq In x 10 ⁶)
Tear Strength	DIN 53507	
Abrasion	DIN 53516	
Impact Resilience	DIN 53512	
Compression Stength 10% Deformation, 73° F	ASTM D695	13,500-16,000 PSI
Brittle Point	DIN 53479	
Minimum Service Temp.		-35° C -31° F
Maximum Service Temp.		100° C 212° F
Color		Cream

Description:

Nylons in general have excellent fatigue resistance, low coefficient of friction, good toughness, and are resistant to a wide range of chemicals. With these properties Nylon can be used as guide bushings, bearing rings, and anti-extrusion rings. Nylons have good resistance to creep and cold flow compared to many less rigid thermoplastics, but they will absorb moisture if present.