



TECHNICAL DATA SHEET - Nylon 6/66

Raw Material Name: Nylon 6/66
 Application: Rotary Components
 Manufacturer: Covalo Industries

Material Specifications

Mechanical Property	Value	Unit	Test Method
Ultimate Tensile Strength	45	MPa	ISO 527-2
Tensile Modulus	2094	GPa	ISO 527-2
Strain at Break	8	%	ISO 527-2
Flexural Strength	80	MPa	ISO 178
Flexural Modulus	2206	MPa	ISO 178
Surface Resistance	>10 ¹³	ohm/sq	ASTM D257
Specific Gravity	1.06	g/cm ³	ISO 1183
Glass Transition Temperature	105	°C	DSC
HDT A @ .45 MPa	97	°C	ISO 75

Chemical Resistance Chart

	Methanol	Isopropanol	Petrol	Weak Acids	Strong Acids	MEK	Acetone	Strong Bases	Lubricants	Oils
Excellent	Green	Green	Green	Green	White	White	White	Green	Green	Green
Good	White	White	White	White	Yellow	Yellow	White	White	White	White
Poor	White	White	White	White	Red	White	White	White	White	White

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