

**Material Specification
Sheet**e: sales@rhnuttall.co.uk
t: 0121 359 2484
f: 0121 359 4439**RHN 22B**www.rhnuttall.co.uk**Nylon 66****General Information**

Good dimensional stability Very good sliding properties High abrasion resistance High absorption of moisture of up to 2.7% in standard atmosphere Exceptionally high tensile strength	High abrasion resistance Excellent machinability Good adhesive properties High continuous service temperature
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Applications

Mechanical Engineering Aircraft Construction	Electrical Industry Automotive Industry
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	Test Method	Unit	Guidance Value
General Properties			
Density	DIN EN ISO 1183-1	g/cm ³	1.15
Water Absorption	DIN EN ISO 62	%	2.8
Flammability (Thickness 3mm/6mm)	UL94		HB/V2
Mechanical Properties			
Yield Stress	DIN EN ISO 527	Mpa	85
Elongation at Break	DIN EN ISO 527	%	50
Tensile Modules of Elasticity	DIN EN ISO 527	Mpa	3300
Notched Impact Strength	DIN EN ISO 179	kJ/m ²	3
Shore Hardness	DIN EN ISO 868	Scale D	83
Thermal Properties			
Melting Temperature	ISO 11357-3	°C	260
Thermal Conductivity	DIN 52612-1	W (m * K)	0.23
Thermal Capacity	DIN 52612	kJ (kg * K)	1.70
Coefficient of Linear Thermal Expansion	DIN 53752	10 ⁻⁶ /K	80
Service Temperature, Long Term	Average	°C	-30...95
Service Temperature, Short Term (max.)	Average	°C	170
Heat Deflection Temperature	DIN EN ISO 75, Verf.A, HDT	°C	100
Electrical Properties			
Dielectric Constant	IEC 60250		3.8
Dielectric Dissipation Factor (50 Hz)	IEC 60250		0.015
Volume Resistivity	DIN EN 62631-3-1	Ω* cm	10 ¹⁵
Surface Resistivity	DIN EN 62631-3-2	Ω	10 ¹³
Comparative Tracking Index	IEC 60112		600
Dielectric Strength	IEC 60243	kV/mm	25

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

