

**Material Specification
Sheet**e: sales@rhnutall.co.uk
t: 0121 359 2484
f: 0121 359 4439**RHN 30E**www.rhnutall.co.uk**Virgin PTFE + 25% Carbon Filled****General Information**Particularly low wear when lubricated with water
Reduced deformation under load (improved compression strength)
Improved thermal and electrical conductivity**Applications & Capabilities**Dry, poorly lubricated environments
Wear resistant seals and gaskets

Property	Test Method	Unit	Guidance Value
Specific Gravity	ISO 1183	g/c ³	2.11
Tensile Strength	ISO 527	Mpa	13
Elongation	ISO 527	%	60
Hardness	ISO 868	Shore D	62
Flexural Modules	23°C	N/mm ²	
Deformation under load (140kg/cm ² for 24 hrs @ 23°C)	ASTM D695	%	5-7
Permanent Deformation (After 4 hrs relaxation at 23°C)	ASTM D695	%	2.4
Thermal Conductivity	ASTM C 177	W./m.K	0.6
Coefficient of linear thermal Expansion (T=25-100°C)		10 ⁻⁵ / °C	7-12.5
Friction Coefficient	ASTM D1894	/	0.12
Dielectric Constant At 60 Hz to 2 Ghz	ASTM D150	/	
Dielectric Strength	IEC 60243-1	KV/mm	
Volume Resistivity	IEC 60093	Ω cm	10 ⁴
Surface Resistivity	IEC 60093	Ω	10 ⁵
Service Temperature		°C	-200/+260
Excellent resistance to continuous service temperature up to 260°C and, for limited periods, even to higher temperatures. The low temperature resistance of the product allows satisfactory performance at -200°C			
Flammability	UL94		V-0
Melting Point		°C	325-335

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

