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Material Specification Sheet

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RHN 30A



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PTFE – Premium Grade

General Information

PTFE is a synthetic fluoropolymer which lends itself to a vast array of applications. PTFE, is a white solid at room temperature, with a density of around 2.2g/cm³, and a melting point of 327°C. It displays working temperatures ranging from -200°C to +260°C. It is used in PTFE washers, PTFE strip or PTFE gasket forms across a broad spectrum of industries including construction, automotive, food and electrical. Adhesive backing can be applied to one or both faces of any PTFE washer or PTFE gasket if needed.

Property	Result
Elongation at break	> 300
Tensile Strength	> 25MPa
Specific Gravity	2.14 – 2.19
Dielectric Strength	> 60kV/mm
Shore Hardness Scale D	50-60
Coefficient of Linear Expansion per °C	15.10 ⁻⁵
Coefficient of friction	0.08 – 0.1
Water absorption, 24 hours	< 0.01
UL 94 Flame Rating	94 V-0
Working Temperature:	
- Continuous	-150/+250°C
- Short time	+ 300°C
Colour	Milky white.
Contamination Level	Black spots <0.5mm 3 Black spots ø 1mm / m ²

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

