



Sealmac Seals International Limited

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CARBON GRAPHITE FILLED PTFE MATERIAL SPECIFICATION SHEET (CG2)

DESCRIPTION: Carbon and Graphite

TYPE: 90% PTFE: 65% PTFE 33% Carbon 2% Graphite (by weight)

TYPICAL APPLICATIONS:

Carbon and graphite filled PTFE is used in dynamic sealing applications. Carbon filler gives good compression and wear resistance, good thermal conductivity and low permeability. Graphite improves the self-lubricating properties.

***TYPICAL PHYSICAL PROPERTIES**

Specific Gravity	BS EN ISO 13000-2	1.95 – 2.08
Tensile Strength	BS EN ISO 13000-2	10MPa min
Elongation	BS EN ISO 13000-2	40% min
Shore D Hardness	BS EN ISO 13000-2	63-73
Wear Rate	M³/Nm x 10⁻¹⁶	9.3
Maximum Working Temperature	/	260°C

These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.

**Registered in England 07549806
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Company Secretary: Simone Venner**