



GTN is intended for use as wear strip within hydraulic cylinders. It is supplied in 10 metre length coils although longer lengths are available on request and is supplied with chamfered edges. The material is a high load composite bearing material made from synthetic fabric reinforcement, which is impregnated with a thermosetting resin system. The material is pigmented Turquoise (blue/green colour) to suit specific customer requirements.

MECHANICAL PROPERTIES

COMPRESSIVE STRENGTH (flatwise)	>400 N/mm ²
COMPRESSIVE STRENGTH (edgewise)	>165 N/mm ²
HARDNESS	100 Rockwell M
DENSITY	1.35 g/cm ³
WATER ABSORPTION TO SATURATION	< 0.1 %

THERMAL PROPERTIES

TEMPERATURE RANGE	-40 to +130 °C
COEFFICIENT OF THERMAL EXPANSION 20-100°C (per °C x 10 ⁻⁵)	
PARALLEL TO LAMINATE	6 – 7
NORMAL TO LAMINATE	12 – 13
STATIC COEFFICIENT OF FRICTION DRY AT 15 N/mm ²	0.12 – 0.15