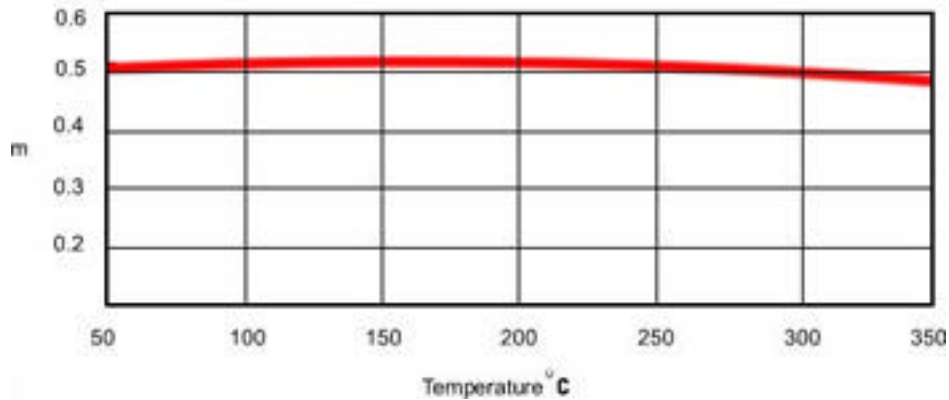


Material Specification - “Green Gripper” (GGW) Woven Flexible Roll Brake & Clutch Lining Material

GGW is a high quality, non-asbestos, flexible woven roll material developed over many years to provide excellent performance over a wide range of temperatures and pressures. Based on a specially designed blend of fibres and resins and reinforced with brass wire for added strength and heat conductivity the solid woven construction provides excellent drum contact with minimal bedding in' time and is kind to the mating surface.

This material is particularly recommended for marine applications or similarly aggressive wet and muddy conditions where a medium to high co-efficient of friction is required and is ideally suited to either dynamic or static duties.

GGW “Green Gripper” is renowned for its frictional stability and across a wide temperature range and for its excellent and immediate fade recovery.



Recommended Operating Conditions

- Maximum Continuous Temperature - 175°C
- Maximum Continuous Temperature - 275°C
- Maximum Rubbing Speed 25 m / second
- Maximum Continuous Pressure 200 psi
- Maximum Transient Pressure 250 psi

Design Data (Average Values)

Dynamic m	- 0.48	(0.08 in oil)
Static m	- 0.52	(0.10 in oil)
Ultimate Tensile Strength	- 4500 psi	(317 kg / cm ²)
Shear Strength	- 1900 psi	(134 kg / cm ²)
Compressive Strength	- 11000 psi	(773 kg / cm ²)
Rivet Holding Capacity	- 13800 psi	(970 kg / cm ²)
Specific Gravity	- 1.2 g / cm ³	

Mating Surface - Good quality fine grained cast iron or forged or cold rolled steel with a Brinell Hardness of >180.

The above design data have been selected from standard tests indicating average results, under typical conditions. The company can accept no responsibility for the manner in which this information is used.

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