



DEMS

High Pressure Laminates, Composites & Insulation Materials.

DEMS is proudly a supplier for the internationally renowned Tufnol UK range of Laminates and Composites.

This Tufnol range is sold in conjunction with DEMS range of Laminates and Composites.



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DEMS Tufnol range

<u>Tufnol Grade</u>	<u>Dems Grade</u>	<u>Nema/BS Specification</u>	<u>Description</u>
1P/13	Shrike	X	Low voltage paper grade for electrical use.
Kite	Barbet	XXX	High voltage paper base grade for electrical use with adequate mechanical properties and very low moisture absorption.
Whale	Eagle	CE/ F2/ F3	Medium weave fabric base for mechanical use with low voltage electrical properties.
Whale rod	Eagle	F2	Medium weave fabric rod for mechanical use.
Swan rod	Barbet	P3	High voltage paper rod for electrical use.
10G / 50	Silicone Glass	G7	Silicon glass material for high temperature electrical applications. 200°C
10G / 41	Epoxy Glass	G10	Epoxy glass fabric Laminate is bonded with a high quality epoxy resin containing flame retardant additives. It has a high mechanical strength with very low moisture absorption and it offers excellent electrical insulation properties. 130°C Continuous and 150°C Intermittent.
GPO3	GPO3	GPO3	Polyester Glass Mat for excellent electrical & mechanical applications. Polyester Glass Mat is flame retardant with excellent arc & track resistance. 155°C (if you need a temperature of 200°C =SG200)
NAD500	NAD500	BS3497 / 79	Asbestos-free Cement Board with excellent Electrical properties ,Nad500 is a high density cement board reinforced with inorganic fibre making this material suitable for applications using 500°C continuous.
CROW	CROW	NEMA U-1-1983 Type C	Crow Brand TUFNOL is a coarse weave grade for mechanical applications, where tough, rugged components are needed. It has excellent impact strength with good general toughness and wear resistance. It is suitable for electrical insulation at low voltages.
CARP	CARP	NEMA U-1-1983 Type LE	Carp Brand TUFNOL is made from a premium quality fine weave cotton fabric. Strong, with good wear resistance, it has excellent machining qualities and low water absorption, with good dimensional stability. Electrical properties are excellent.
6F45	6f45	BS EN 60893-3-2 Type EP CC 301	6F/45 is a cotton made with a specially modified epoxy resin, resulting in a high insulation resistance and electric strength, and an exceptional resistance to surface electrical tracking. These first class electrical properties, with the excellent wear resistance of the finer weave cotton. Grade 6F/45 is mechanically strong and is resistant to a wide range of chemicals. It has low water absorption and good dimensional stability, giving fine tolerances and a superb machined finish.