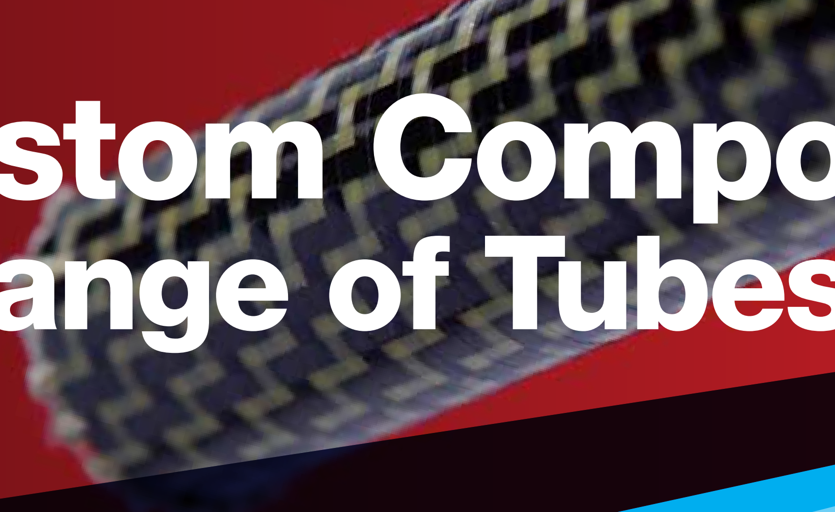
Custom Composites – Range of Tubes



LECTRAGLAS ‘EP’ ™

A proven material for high voltage applications, LECTRAGLAS ‘EP’™ is a plain woven, glass fibre fabric impregnated with a proprietary epoxy resin. This gives it excellent electrical insulation and dielectric properties with high mechanical, corrosion resistance and machining capabilities. Available in various colours.

LECTRAGLAS ‘EPR’ ™

When strength and stiffness is essential LECTRAGLAS ‘EPR’ ™ provides unrivalled performance. A bias woven glass fibre fabric / epoxy resin produces glass fibre tubes with high axial or hoop stiffness and strength. Commonly used for antenna applications, masts and telescopic poles. Available in parallel and tapered tubes.

LECTRAGLAS ‘EHT’ ™

Fine weave glass fibre fabric with a high temperature epoxy resin system capable of continuous operation at 180°C. Applications include battery / bearing housings, electrical, general engineering and instrument measuring devices.

Bakelaque T1

A phenolic paper tube with good electrical and mechanical properties. Ideal for electrical components and switchgear, lighting, LV and MV transformers, automotive and general engineering. Complies with BSEN61212 types PFCP23 and PFCP24 (supersedes BS6128 PFCP81 & 82).

Bakelaque T10S

The T10S phenolic cotton tube is manufactured from scoured fine weave cloth and phenolic resin. It exhibits excellent electrical and mechanical properties and may be machined to a fine finish. Complies with BSEN61212 PFCC21 (supersedes BS6128 PFCC81).

Bakelaque T12S

A high quality phenolic cotton tube manufactured from scoured medium weave cloth and phenolic resin. T12S tube exhibits good mechanical and electrical properties and machines well. Complies with BSEN61212 PFCC22 (supersedes BS6128 PFCC82).

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Bakelaque T32

A high quality silicone glass tube manufactured from a medium E type glass fabric with silicone resin. T32 exhibits excellent electrical properties coupled with low water absorption, good insulation resistance and is suitable for use both at high temperatures (200°C continuous) and in high frequency applications.

Complies with BSEN61212 SIGC21 (supersedes BS6128 SIGC81).

Bakelaque T36

A high quality epoxy glass tube which is suitable for use at 155°C (Class F). T36 exhibits excellent mechanical and electrical characteristics, low water absorption, high insulation resistance and excellent resistance to axial compression. Complies with BSEN61212 EPGC22 (supersedes BS6128 EPGC81).

Bakelaque T38

A high quality epoxy glass tube manufactured from brominated epoxy resin with a medium weave glass-cloth suitable for use up to 130°C (Class B). T38 tubes offer mechanical and electrical properties similar to those of T36 with improved resistance to burning. With a thicker wall than other glass grades the T38 is less susceptible to stress cracking. Complies with BSEN61212 EPGC21.

Bakelaque T42

A high quality tube produced from epoxy resin and scoured fine weave cotton cloth. The tube has excellent mechanical and electrical properties and a high comparative tracking index in excess of 500V. The tube is light tan in colour and machines to a very good finish.

Bakelaque T48

The tube is offered as an improved epoxy grade with similar properties to T36 but better mechanical properties at elevated temperatures making the product suitable for use at Class F (155°C). Complies with BSEN61212 EPGC22.

Custom Composites Carbon Fibre Tubes

HICARB™

Ultra-high performance in carbon fibre. HICARB™ is a family of carbon (graphite) fibre and aramid fibre-based materials available in unidirectional, fabric and hybrid forms. We individually design and tailor the fibre orientations of every tube to ensure each one delivers the performance you demand for your application. Available in round or square, parallel or tapered tubes. Industry sectors/ applications include general engineering, marine, motorsport, nuclear, oil and gas, sports and military.

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