PRODUCT INFORMATION

FILAMENT WINDING TISSUES

Characteristics

This filament winding tissues are made from six layers of continuous fibres, 12 micron dia., of a low melt, corrosion resistant glass, C-glass (ASTM C162-93), randomly dispersed across the sheet. The corrosion resistance is Acid Class 1, (DIN12116), Alkali Class 2 (DIN52322) and Hydrolytic Class 3 (DIN12111). A range of modified acrylic binders have been designed for general automatic filament winding machines, in addition to being suitable for hand layup and general moulding.

Application

The tissue designed for filament winding use a strength enhanced binder to enable narrow bandages of the material to be run successfully in automatic filament winding machines.

The tissue meets the requirements of British Standards BS 4994, "Design and Construction of Vessels and Tanks in Reinforced Plastics" and American Standard ASME/ANSI RPT-1-1989, "Reinforced Thermoset Plastic Corrosion Resistant Equipment".

Technical Data

CODE:	P200FW
Mass (gsm) (+/- 2gsm)	23 gsm
Nominal Thickness	0.19mm – 0.21mm
Resin absorption (theoretical)	180 gsm
Fibre	"C" Class
Styrene monomer solubility	Insoluble
Binder Type	Modified Acrylic
Binder Content	14% ± 1%
Average Tensile Strength (Longitudinal)	35N/50mm
Standard Widths	From 45mm upwards to 2000mm
Standard Roll Lengths	200m, 250m or to order

These specifications are subject to change without notice, and are sold subject to our standard condition of sale. Products can be made to order, at different mass, thickness and width to the above, and with roll lengths to suit your needs.

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