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PTFE COATED FABRICS

MAKE CHEMFAB®, RANGE TYGAFLOR®

TYGAFLOR® is probably the most widely used trade name in this field because of the high quality of their PTFE coated glass cloth. Quadrant Chemplast (Pty) Ltd. are the local agents and we carry a full range in stock.

CHEMFAB®, the manufacturer of Tygaflor® is the only company that manufactures the glass fibre cloth (used as base material for coating) and does the coating in-house. Having both cloth and coating manufacturer under their control, they use only the premium grades of glass fibre cloth for coating, as standard grade material is disposed of for other end uses.

THIS IS HOW YOU RECOGNISE QUALITY IN PTFE COATED GLASS CLOTH:

1. *Thickness of the PTFE Coating Applied.* The thickness of the PTFE coating determines the number of cycles that the cloth will complete before replacement.

Hold Tygaflor® A grades in such a way that the surface reflects light and you will see the smooth surface and heavy layer of PTFE which has been applied. Compare this with the cheaper material and see the contour of the woven cloth, which indicates a thin PTFE coating.

2. *Quality of the Woven Glass Fibre.* Tygaflor® uses the best grades of woven glass fibre cloth available. Carefully compare Tygaflor® cloth with any other cloth and you will see the robust weave of the Tyglas glass fibre reinforcement used in Tygaflor®.
3. *Adhesive.* Tygaflor® adhesive cloth can be used up 220°C (plain cloth up to 260°C). The adhesive does not age. The backing paper used is a special grade to ensure that the adhesive surface does not deteriorate.

TYGAFLOR® PTFE GLASS FABRICS RANGE:

Tygaflor® fabrics are available with a range of base fabrics and PTFE coatings and in a number of forms to meet various applications.

The following basic forms are provided:

1. Full width, 1 or 2m wide; lengths as required.
2. Slit lengths from 300mm up to 2m wide; lengths as required.
3. Tapes in widths from 10mm up to 300mm in standard 15 and 30m lengths only.
4. Special shapes cut from fabric.
5. Endless belts

Grades are identified by a series of code numbers and letters, which can be used to order materials.

The base fabric number is a reference number, which indicates the construction of the glass fabric. The coating code letter ('A' in the example above) indicates the PTFE finish applied to the base fabric. Coating codes are shown in the adjacent table.

CHEMFAB® TYGAFLOR® PTFE COATED GLASS FABRICS AND LIGHTWEIGHT BELT GRADES:

100 SERIES – Premium fabrics engineered for maximum trouble free performance

200 SERIES – Strong general purpose industrial range

300 SERIES – Lightweight range with good release for less arduous applications

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