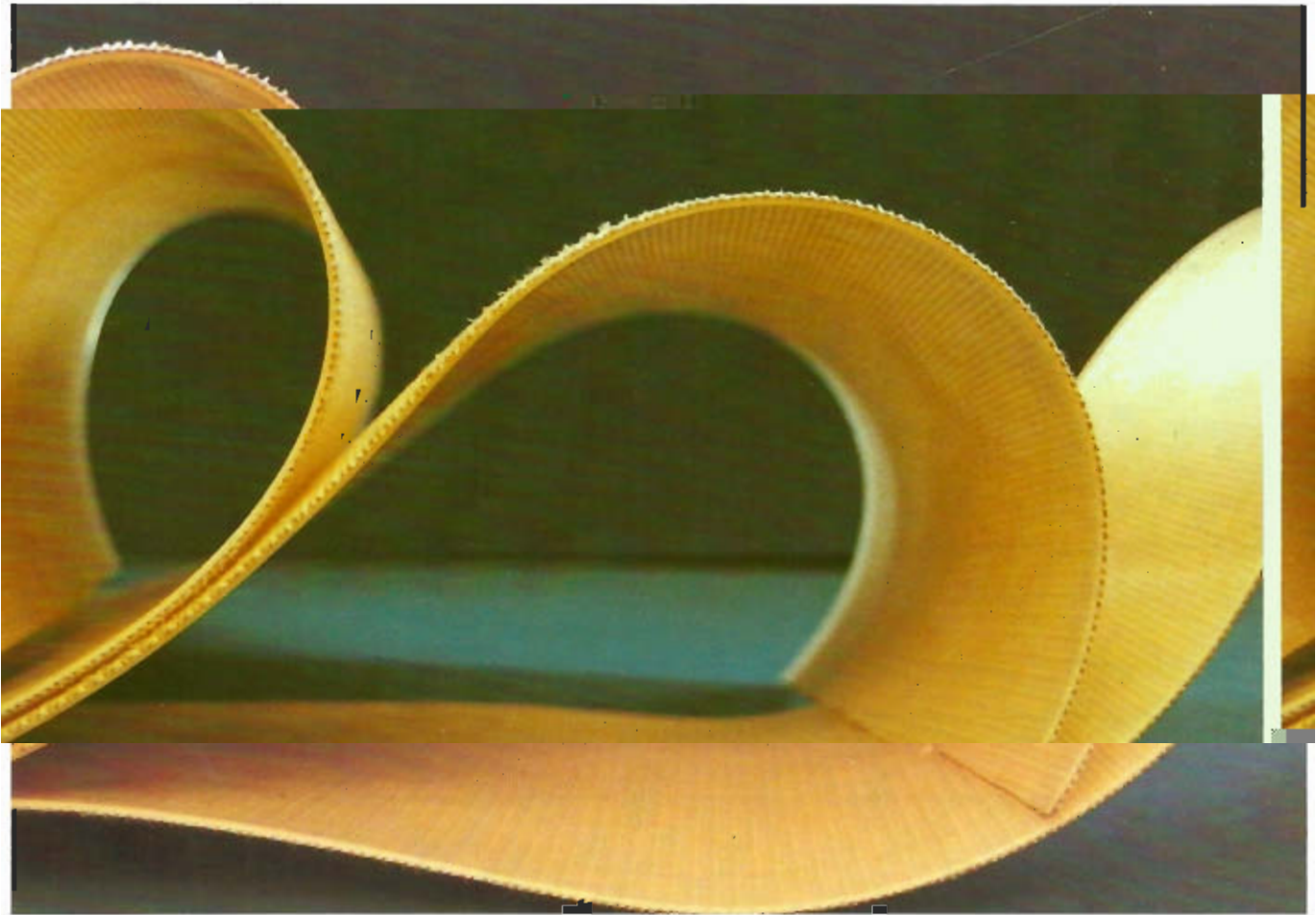
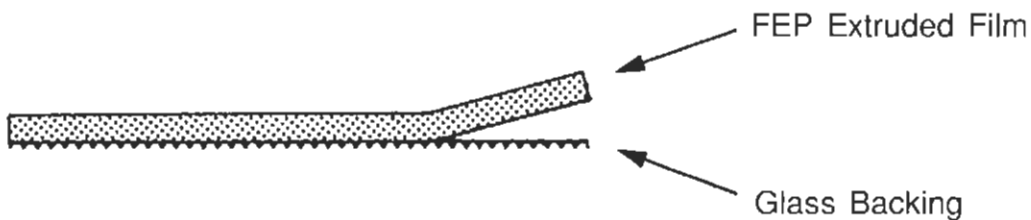




# FEP/GLASS LAMINATE



## LAMINATE CONSTRUCTION



This remarkable material combines the proven chemical resistance properties of FEP film with a glass backed cloth which is formed into one homogeneous entity.

This almost indestructible material is free from any fillers or binders. It is inert to virtually all chemicals and solvents and offers a surface which is the ultimate in non-stick.

The knitted glass cloth backing is designed to allow bonding to almost any substrate or overwrapping with GRP. The glass cloth will accept epoxy polyesters, thermosetting resins and some general purpose adhesives so long lasting bonds are easily achieved.

Since FEP is stress-crack resistant and the glass cloth is multi-directional, vacuum forming is possible.

Holscot can supply dished ends and custom formings if required or advise on all aspects of thermoforming.

In addition, for overseas customers, Holscot can provide a complete package of technology including sophisticated techniques for machine and hand welding, bonding and thermoforming, progressively developed by Holscot over the last 20 years.

## FEP Lining Laminate

Reference	NF-2400 GL	NF-1500 GL
Total thickness (mm)	$3.4 \begin{matrix} + 0.3 \\ - 0 \end{matrix}$	$2.4 \begin{matrix} + 0.3 \\ - 0 \end{matrix}$
FEP film thickness (mm)	$2.5 \begin{matrix} + 0.25 \\ - 0 \end{matrix}$	$1.5 \begin{matrix} + 0.25 \\ - 0 \end{matrix}$
Width (mm)	$1150 \begin{matrix} + 5.75 \\ - 0 \end{matrix}$	$1150 \begin{matrix} + 5.75 \\ - 0 \end{matrix}$
Length (in roll) (m)	$15 \begin{matrix} + 0.5 \\ - 0 \end{matrix}$	$20 \begin{matrix} + 0.5 \\ - 0 \end{matrix}$
Tensile Strength [kg/cm (lb/in)]	45-55  (25-30)	45-55  (25-30)
Elongation (%)	30-50	30-50
Bonding strength (kg/cm)		
Bonding strength of glass fabric to the FEP film	$4 \pm 2$	$4 \pm 2$
Melt Point (centigrade)	265-275	265-275

### Note

Physical properties of glass backed FEP laminate are given for guidance only. It must be noted that these materials are designed to function as a corrosion barrier only; not as a structural material of construction.

Accordingly it is recommended that no consideration of the linings strength be given when designing a composite piece of equipment.



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