

Data Sheet

A4000 LFST

Heat shrinkable release film tube

DESCRIPTION

A4000 LFST is a heat shrinkable lay-flat tube which has been oriented in the transverse direction. When exposed to heat 121 to 176°C in a recirculating oven, tunnel oven or from a heat gun, the A4000 LFST material will shrink to closely fit the mandrel. A4000 LFST is ideal for providing a self-releasing cover for mandrels used in fabrication of hollow composite parts. A4000 release film is an approved material on all major aircraft specifications.

BENEFITS

- Prevents resin from bonding or attacking mandrel materials.
- Reduced labour hours for mandrel/ bladder clean up.
- Lowers extraction force required for mandrel/ bladder removal when used in combination with Airsock.

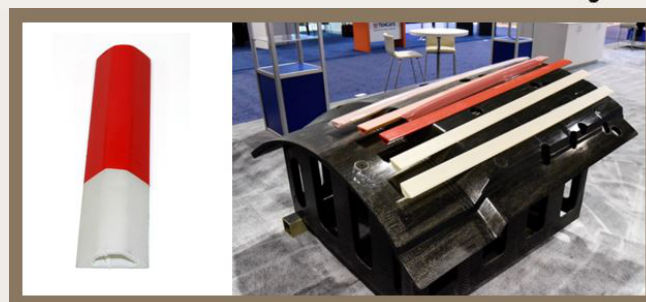
TECHNICAL DATA

		Test method
Material type	FEP	
Elongation at break	300 %	ASTM D 882
Tensile strength	> 21 MPa	ASTM D 882
Nominal shrinkage	15 %	
Maximum recommended use temperature	260°C	
Colour	Various	
Shelf life	12 months from date of shipment when stored in original packaging at 22°C	

SIZES

Thickness	Width Before Shrinkage	Width After Shrinkage	Forms Available*
50 µm (0,002 inch)	71,62 mm (2,82 inches)	60,71 mm (2,39 inches)	LFT (Blue)
50 µm (0,002 inch)	91,19 mm (3,59 inches)	77,72 mm (3,06 inches)	LFT (Red)
50 µm (0,002 inch)	96,01 mm (3,78 inches)	83,57 mm (3,29 inches)	LFT (Red)

- A4000 LFST is an engineered product for each application. Size, thickness, and color can be tailored to specific requirements up to maximum size of 20 cm LFT (8 inches). This material may be slit and provided in centerfold and sheeting forms.



NOTES

- Minimums may apply, contact Airtech for application assistance.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated : 2018-04-09

Catalogue position : [Release films](#)