

## Data Sheet

# DAHLAR® RELEASE BAG 460

## High temperature self releasing tubular bagging film

### DESCRIPTION

Dahlar® Release Bag 460 is a self releasing multi-layer bagging film for direct contact with prepreg for fabrication of hollow parts. It exhibits superior strength, temperature resistance and vacuum integrity of Airtech's multi-layer film technology. Dahlar® Release Bag 460 exhibits excellent release of epoxy and polyester resins.

This product is also available in gusseted tubing (GT). Thanks to the gusset folding, Dahlar® Release Bag 460 is easier to position accurately in hollow parts. Upon application of pressure the bag will easily expand to fit to the shape of the part which is very useful in applications where there are variations in the part diameter. This development ensures even application of internal pressure in cases of small diameter parts, where the insertion of a standard lay flat tube bagging film can be problematic.

### BENEFITS

- Multi-layer construction combines release and vacuum performance in a single material.
- Easier to position accurately in hollow section, reduces cycle time, and improves quality.
- Easier to remove after cure reducing cycle time.

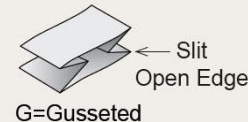
### TECHNICAL DATA

|                         |                                                     | Test method |
|-------------------------|-----------------------------------------------------|-------------|
| Material type           | PMP, Nylon, multi-layer                             |             |
| Elongation at break     | 425 %                                               | ASTM D 882  |
| Tensile strength        | 60 MPa                                              | ASTM D 882  |
| Maximum use temperature | 190°C                                               |             |
| Materials to avoid      | Compatible with most resin systems                  |             |
| Colour                  | Clear opaque                                        |             |
| Shelf life              | Unlimited when stored in original packaging at 22°C |             |

### SIZES

| Thickness           | Width                     | Forms Available* |
|---------------------|---------------------------|------------------|
| 70 µm (0,0027 inch) | up to 0,304 m (12 inches) | LFT, GT          |

- For more sizes, see the *Commonly Used Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.



### NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.