

## Data Sheet

## STRETCHLON® 850

Highly flexible bagging film

### DESCRIPTION

Stretchlon® 850 is a high elongation film in tube form with a good softness which will conform to complex contours. This film is designed to remain more flexible than standard nylon films in low humidity conditions. Stretchlon® 850 is recommended for epoxy and BMI resins.

### BENEFITS

- High stretch tubular film reduces time envelope bagging complex parts without bridging.
- Better part quality with film stretching to apply full pressure over complex shapes.
- Single choice film for internal bladder bagging and external envelope bagging.

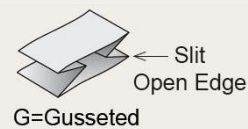
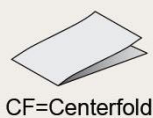
### TECHNICAL DATA

|                                   |                                                     | Test method |
|-----------------------------------|-----------------------------------------------------|-------------|
| Material type                     | Nylon                                               |             |
| Elongation at break               | 450 %                                               | ASTM D 882  |
| Tensile strength                  | 69 MPa                                              | ASTM D 882  |
| Maximum use temperature           | 204°C                                               |             |
| Flammability (self extinguishing) | Yes                                                 | ATP-5034    |
| Materials to avoid                | Phenolic resins/Strong oxidizers                    |             |
| Colour                            | Orange                                              |             |
| Shelf life                        | Unlimited when stored in original packaging at 22°C |             |

### SIZES

| Thickness          | Width                                          | Forms Available* |
|--------------------|------------------------------------------------|------------------|
| 50 µm (0,002 inch) | from 0,05 m (2 inches) to 4,06 m (160 inches)  | SHT, LFT, CF     |
| 75 µm (0,003 inch) | from 0,06 m (2,5 inches) to 2,03 m (80 inches) | LFT              |

- 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.