

## Data Sheet

## IPPLON® DPT1000

High temperature nylon bagging film with a good elongation

### DESCRIPTION

Ipplon® DPT1000 is a high temperature nylon film for cure temperatures up to 246°C. It can be used when high temperature and high pressure are required. It is the recommended material for cures with phenolic resins.

### BENEFITS

- Heat resistance provides vacuum security during high temperature cures.
- Good elongation helps avoid bridging in corners that can result in blown bags or resin richness.
- High strength and chemical resistance reduces bag failures with aggressive phenolic resins.

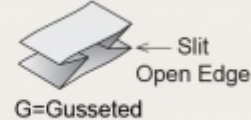
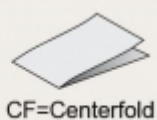
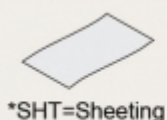
### TECHNICAL DATA

|                                   |                                                     | Test method |
|-----------------------------------|-----------------------------------------------------|-------------|
| Material type                     | Nylon                                               |             |
| Elongation at break               | 375 %                                               | ASTM D 882  |
| Tensile strength                  | 62 MPa                                              | ASTM D 882  |
| Maximum use temperature           | 246°C                                               |             |
| Flammability (self extinguishing) | Yes                                                 | ATP-5034    |
| Materials to avoid                | 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) | up to 4,57 m (180 inches) | SHT, CF, LFT     |
| 75 µm (0,003 inch) | up to 4,57 m (180 inches) | SHT, CF, 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.