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**Data Sheet** 

# **IPPLON® KM1300**

## Soft nylon film with a high elongation

#### DESCRIPTION

Ipplon<sup>®</sup> KM1300 is a vacuum bagging film with a good elongation and is suitable for cure temperatures up to 212°C. It is recommended for bagging applications where a higher softness is required. An excellent film for autoclave use or resin infusion.

#### BENEFITS

- Softness and good elongation makes bagging easier and faster to complete, reducing labor cost.
- Wider film means fewer seams for safer high temperature cures of large parts in shorter cycle times.
- Good elongation reduces bridging in corners and so less rework due to resin rich corners.

#### TECHNICAL DATA

|                                   |   | Test method |
|-----------------------------------|---|-------------|
| Material type                     | Nylon   |             |
| Elongation at break               | 425 %   | ASTM D 882  |
| Tensile strength                  | 48 MPa  | ASTM D 882  |
| Maximum use temperature           | 212°C   |             |
| Flammability (self extinguishing) | Yes   | ATP-5034    |
| Materials to avoid                | Phenolic resins/Strong oxidizers                    |             |
| Colour                            | Pink  |             |
| Shelf life                        | Unlimited when stored in original packaging at 22°C |             |

#### SIZES

| Thickness          | Width                     | Forms Available* |
|--------------------|---------------------------|------------------|
| 50 μm (0,002 inch) | up to 7,11 m (280 inches) | SHT, CF, LFT     |
| 75 μm (0,003 inch) | up to 7,11 m (280 inches) | SHT, CF, LFT     |

• For more sizes, see the Commonly Used Sizes chart in this section.

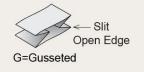
• Custom shapes and sizes are available, please contact Airtech for more information.





LFT=Lay-Flat Tubing





## NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Centre" on our website.

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#### Catalogue position : Bagging films

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