



# Teflex

- Teflex is a pure woven PTFE.
- Teflex is capable of running at high temperatures. Continuously operating at 260°C / 500°F with short term surges at 280°C / 536°F
- Can be used on products across the full pH scale, i.e. either caustic or acid products will not effect Teflex

|                |                  |                  |                 |        |          |           |           |
|----------------|------------------|------------------|-----------------|--------|----------|-----------|-----------|
| ✓<br>VIBRATION | ✓<br>OSCILLATION | ✓<br>COMPRESSION | ✗<br>DUST TIGHT | ✗<br>3 | ✓<br>FDA | ✗<br>FORK | ✓<br>ATEX |
|----------------|------------------|------------------|-----------------|--------|----------|-----------|-----------|



## PHYSICAL PROPERTIES:

|   |   |
|---|---|
| Fibre   | Teflon PTFE                                   |
| Colour  | Natural (dark brown)                          |
| Construction/Finish   | Basket weave                                  |
| Weight  | 678 g/m <sup>2</sup><br>20 oz/yd <sup>2</sup> |
| Thickness (mm)  | 0.5 / 1/64"                                   |
| Max. Operating Temp   | 260°C / 500°F                                 |
| Max. Surge Temp   | 280°C / 536°F                                 |
| Low Temp Flexibility  | Good  |
| Surface Resistance (Ohms)   | Insulative                                    |
| Minimum Tensile Strength measured as a force over a 25mm wide Ravel Strip | Fabric<br>Warp 90) kgf/25mm<br>Weft 100)      |

(Test Standard: ASTM D5035)

|                         |    |
|-------------------------|----|
| Ultimate Elongation (%) | 55 |
|-------------------------|----|

(Test Standard: ASTM D5035)

## Air Permeability

(cm<sup>3</sup>/cm<sup>2</sup> sec@125Pa) 0.3

(ft<sup>3</sup>/ft<sup>2</sup>/min@0.5" wg) 0.5

## AVAILABLE SIZES: (in 50mm / 2" increments)

|          |  |
|----------|--|
| Diameter | Ø100mm, 150mm to 1,650mm<br>(also available in 125mm/5") (4", 5" to 65") |
|----------|--|

|        |   |
|--------|---|
| Length | 80mm , 100mm to 1,500mm<br>(3", 4" to 59 1/16") |
|--------|---|

**NB:** Some size restrictions apply for TR versions, larger diameters and connectors with rings.

## COMPLIANCE:

Atex Compliant: IBExU tested. Can be used in certain dust explosion hazardous areas (restrictions apply).

Complies with the following regulations:

FDA 21 CFR 177.1550, 178.3297, (EC) 1935/2004 & 10/2011.