







# Product Specifications

BREATHABLE CONNECTORS & COVERS (Fabric)						
	LM3	LM4	Teflex	FM1 Breather	Kevlar Cover	Black Out Cover
						
<b>Material</b>	100% woven polypropylene	100% woven polyester	100% woven Teflon PTFE	100% polyester multi-filament scrim supported needle felt	100% woven Kevlar (Aramid)	100% woven polypropylene
<b>Colour</b>	White	White	Dark Brown	White	Yellow	Black
<b>Weight (± 10%)</b>	295g/m <sup>2</sup> / 8.7oz/yd <sup>2</sup>	393g/m <sup>2</sup> / 11.6oz/yd <sup>2</sup>	678g/m <sup>2</sup> / 20oz/yd <sup>2</sup>	550g/m <sup>2</sup> / 16.22oz/yd <sup>2</sup>	447g/m <sup>2</sup> / 13.2 oz/yd <sup>2</sup>	207g/m <sup>2</sup> / 6.1oz/yd <sup>2</sup>
<b>Temp. range (Continuous) (Surge)</b>	-70 - 94°C / -94 - 201°F 107°C / 225°F	130°C / 266°F 150°C / 302°F	260°C / 500°F 280°C / 536°F	130°C / 266°F 150°C / 302°F	260°C / 500°F 300°C / 572°F <i>(NB Limited to max. temp. of inner layer)</i>	-70 - 95°C / -94 - 203°F 100°C / 212°F <i>(NB Limited to max. temp. of inner layer)</i>
<b>Construction/ Finish</b>	Multi-filament twill weave, heat set	Multi-filament plain weave, calendered	Basket weave	Heat set, singed and super-glazed one side	Multi-filament plain weave, scoured & heat set	Multi-filament plain weave, calendered
<b>FDA Approved</b>	CFR 21 177.1680 & 177.2600	CFR 21 177.2800	CFR 21 177.1550	CFR 21 177.2800	CFR 21 177.1632	CFR 21 177.1520
<b>3A Certified</b>	-	-	-	-	(as long as inner meets 3A)	(as long as inner meets 3A)
<b>EU Approved</b>	EC 1935/2004 & 10/2011	EC 1935/2004 & 10/2011	-	-	(as long as inner meets 3A)	(as long as inner meets 3A)
<b>ATEX Certified</b>	-	Approved for all dust explosion hazardous areas. Some restrictions apply.	-	-	-	-
<b>Surface Resistance (Ohms)</b>	10 <sup>8</sup>	10 <sup>9</sup>	Insulative	10 <sup>8</sup>	NA	NA
<b>Air Permeability</b> <i>(NB: 125Pa = 0.5" water gauge)</i>	13 (cm <sup>3</sup> /cm <sup>2</sup> /sec@125Pa) 25 (ft <sup>3</sup> /ft <sup>2</sup> /min@0.5" wg)	0.4 (cm <sup>3</sup> /cm <sup>2</sup> /sec@125Pa) 0.8 (ft <sup>3</sup> /ft <sup>2</sup> /min@0.5" wg)	0.3 (cm <sup>3</sup> /cm <sup>2</sup> /sec@125Pa) 0.5 (ft <sup>3</sup> /ft <sup>2</sup> /min@0.5" wg)	17 (cm <sup>3</sup> /cm <sup>2</sup> /sec@125Pa) 33 (ft <sup>3</sup> /ft <sup>2</sup> /min@0.5" wg)	(Depends on inner layer)	(Depends on inner layer)
<b>Application</b>	●Used for lower temperature environments (temperatures down to -70°C). ●Ideal for food processing, especially when some breathability is required to alleviate pressure.	●Perfect when some breathability is required to alleviate pressure. ●Used for higher temperature environments (temperatures up to 130°C).	●For extreme temperatures and highly resistant also against alkalis / acidic / caustic products.	●Designed for breathing applications such as venting hoppers and other contained vessels. ●May become required as BFM® connectors create a 100% sealed system.	●Used in over pressure and potentially explosive applications. ●Can be used with food processing. ●Designed to fit over existing connectors and uses simple butterfly mechanism (no tools required).	●Used for light sensitive areas and processes - cuts out all light. ●Designed to fit over existing BFM® connectors and uses simple butterfly mechanisms (no tools required).
<b>Tensile Strength</b>	-	ASTM 5034 (kg) Warp 522 Weft 745	ASTM 5034 (kg) Warp 90 Filling 100	Bursting strength (kg) 45.7+	ASTM 5035 (kg) Warp 700 Filling 704 (±58kgf)	-

**NOTE:** All information in this document is based on our present knowledge and experience at the time of printing. Due to the multitude of factors influencing the suitability and performance of BFM® fittings, it does not exempt the user from performing their own tests, nor does it imply any legally binding assurance concerning specific properties of the BFM® fittings, or the suitability for a particular application. The responsibility of complying with any governing laws and regulations relevant to the use of BFM® fittings is the obligation of the end user.