



## BFM® Fitting Fabrics



### LM4 POLYESTER

- 100% Woven Polyester
- Predominantly used in applications where air needs to be vented through the walls of the flexible connector.
- For food contact LM4 itself fulfills the requirement of: Directives 1935/2004 and 10/2011 and is FDA CFR21, part 177.
- Atex Compliant: IBExU tested. Can be used in all dust explosion hazardous areas.



TECHNICAL DATA	PRODUCT
CONSTRUCTION	PLAIN WEAVE
WEIGHT	393 G/M2 (11.5 OZ/YD2)
THREAD COUNT	19CM X 12.6CM (7.4" X 4.9")
AIR PERMEABILITY (CFM/FT2 @ 0.5" WG)	0.5 - 1
FIBER	100% POLYESTER
AVERAGE TENSILE STRENGTH (KG) TEST STANDARD: ASTM 5034	WARP: 522 WEFT: 745
FINISH	SOURCED AND HEAT SET
TEMPERATURE	266° F CONTINUOUS (302° F SURGE) 130° C CONTINUOUS (150° C SURGE)
COLOR	WHITE



◆ SCAN FOR  
PRODUCT  
INFORMATION

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# LM3 POLYPROPYLENE

- Kelly Cloth 100% woven Polypropylene.
- Designed for low temperature applications.
- For food contact LM3 itself fulfills the requirement of: Directives 1935/2004 and 10/2011 and is FDA acceptable for food contact.



TECHNICAL DATA	PRODUCT
CONSTRUCTION	WOVEN 2X2 TWILL
WEIGHT	393 G/M2 (11.5 OZ/YD2)
THREAD COUNT	23CM X 16CM (9" X 6")
AIR PERMEABILITY (CFM/FT2 @ 0.5" WG)	20 - 30
FIBRE	100% POLYPROPYLENE
TEMPERATURE	-94° TO 201° F 225° F SURGE -70° TO 94° C (107° C SURGE)
COLOR	WHITE



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# KEVLAR COVER

- Used in over pressure and potentially explosive applications.
- Designed to fit over existing connectors and can be tightened onto the BFM spigot using the butterfly mechanism at the top and the base of the connector.
- Very easy to install and remove, no tools required.
- FDA compliant for textiles used in processing of foods, Drugs Title 21, Section 177.1632.



TECHNICAL DATA	PRODUCT
MATERIAL	WOVEN KEVLAR ARAMID
CONSTRUCTION	MULTI-FILAMENT PLAIN WEAVE
WEIGHT (G/M2)	460±10%
THREAD COUNT PER 25MM	17 X 16
AIR PERMEABILITY	IMPERMEABLE
FIBER	KEVLAR (ARAMID)
AVERAGE TENSILE STRENGTH (KGF) TEST STANDARD ASTM 5035	WARP: 726 FILLING: 758 (±58 KGF)
FINISH	SCOURED AND HEAT SET
TEMPERATURE	500° F CONT. (572°F SURGE) 260° C CONT (300° C SURGE)



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# TEFLEX

- 100% PTFE fabric.
- Very flexible, Dark brown in color.
- FDA acceptable per 21CFR 177.1550
- Process material covers the full pH scale.
- Teflex connectors will not be affected by either extreme caustic or acid products

FIBRE AND SCRIM	TEMP RANGE	TENSILE STRENGTH	PERMEABILITY
PTFE	-40° TO 500° F	WARP: 90 KG	1.2 CFM/FT2
	-40° TO 260° C	FILL: 100 KG	@ 0.5" WG

THICKNESS	WEAVE PATTERN	FABRIC WEIGHT	CHEM RESISTANCE
.019"	BASKET	19 OZ/YD2	OUTSTANDING
(0.5 MM)		644 G/M2	



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# BLACK OUT COVER

- Designed to fit over existing BFM connectors.
- The Black Out Cover is a Polypropylene fibre which meets FDA requirements for textiles used in the processing of foods. FDA CFR21, part 177.1520.
- It is attached using a butterfly mechanism at the top and the base of the cover. This makes installing and removal easy and no tools are required.



TECHNICAL DATA	PRODUCT
CONSTRUCTION	MULTI-FILAMENT PLAIN WEAVE
WEIGHT (G/M2)	207
SURFACE FINISH	CALENDERED
FIBER	POLYPROPYLENE
AIR PERMEABILITY (CFM)	0.0 - 0.1
MAX OPERATING TEMPERATURE	95° C (203° F)
COLOR	BLACK



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# CAMLON

- Camlon: Predominately used in applications where the connector is running under continuous pressure of up to 1.3bar.
- The Camlon outer layer restricts the Seeflex 040 inner layer of the sleeve from stretching.
- Only used in over pressure situations.
- Seeflex 040 inner layer complies with: FDA CFR 177.1680 and 177.2600, (EC) 1935/2004, 2023-2006, 2002/72/EC, and USDA and 3A (20-25).



TECHNICAL DATA	PRODUCT
BASE FABRIC	POLYESTER
TYPE OF COATING	E-PVC
TENSILE STRENGTH (MPA)	20
ELONGATION (%)	19-21
WEIGHT (G/M2)	158 (4.6 OZ/YD2)
HEAT RESISTANCE (24HR @ 70° C)	WARP: <0.5% WEFT: <0.5%



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# FM1 BREATHER

- 100% polyester needlefelt.
- Designed for breathing applications such as venting hoppers and other contained vessels.
- Polyester is compliant with FDA standards: 21 CFR 177.2800.



TECHNICAL DATA	PRODUCT
CONSTRUCTION	POLYESTER MULTIFILAMENT SCRIM SUPPORTED NEEDLEFELT
WEIGHT	550 G/M2 (16 OZ/YD2)
THICKNESS	1.7MM (0.066")
AIR PERMEABILITY (DM3/DM2/SEC@20MM W.G)	160
BURSTING STRENGTH	45.7+ KG
SURFACE TREATMENT	SUPERGLAZE ONE SIDE
FINISH	HEAT SET AND SINGED ONE SIDE
TEMPERATURE – CONTINUOUS	266° F /130° C



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## BFM® Fitting Polyurethanes



### SEEFLEX 040E

- Clear ether based thermoplastic polyurethane alloy.
- Having no memory Seeflex 040E will not fracture as a result of constant flexing.
- Used on all types of stationary, vibratory and gyratory sifters, screeners, feeders, bin discharges, hoppers, conveyors, packing equipment or any product handling equipment.
- Dust control sleeves and transitions.
- Superior chemical resistance for CIP and washing.
- Excellent abrasion resistance.
- Smooth welded seam.
- ATEX compliant: IBExU tested. Can be used in all dust explosion hazardous areas.
- Complies with the following regulations: FDA CFR 177.1680 and 177.2600, (EC) 1935/2004, 2023-2006, 2002/72 and 10/2011, USDA and 3A (20-).



TECHNICAL DATA	PRODUCT
HARDNESS	90 SHORE A
WALL THICKNESS	0.035" (0.9 MM)
TENSILE STRENGTH	40 MPA
TEMP RANGE	-13° TO 230° F, 248° F SURGE -25° TO 110° C, 120° C SURGE
LOW TEMP FLEXIBILITY	GOOD
SURFACE FINISH	GLOSS/GLOSS
ULTIMATE ELONGATION	593%
TEAR STRENGTH, DIE C	67 N
MATERIAL RESISTANCE	1010 OHMS
100% MODULUS	8.0 MPA
300% MODULUS	15.6 MPA
PERMEABILITY	0 CFM



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# SEEFLEX 020E

- Clear ether based thermoplastic polyurethane alloy.
- Having no memory Seeflex 020E will not fracture as a result of constant flexing.
- Light weight Seeflex media, specifically designed for load and weight scale type equipment.
- Dust control sleeves and transitions.
- Excellent abrasion resistance.
- Complies with the following regulations: FDA CFR 177.1680 and 177.2600 (EC) 1935/2004, 2023-2006, 2002/72/EC and 10/2011, USDA and 3A (20-).
- Atex Compliant: IBCExU tested. Can be used in all dust explosion hazardous areas.



TECHNICAL DATA	PRODUCT
HARDNESS	90 SHORE A
WALL THICKNESS	0.013" (0.35 MM)
TENSILE STRENGTH	78 MPA
TEMP RANGE	-13° TO 212° F / -25° TO 100° C
LOW TEMP FLEXIBILITY	GOOD
SURFACE FINISH	GLOSS/GLOSS
ULTIMATE ELONGATION	644%
TEAR STRENGTH, DIE C	17 N
MATERIAL RESISTANCE	1010 OHMS
100% MODULUS	8.3 MPA
300% MODULUS	18.4 MPA
PERMEABILITY	0 CFM



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# FLEXI-CONNECTOR

- Clear, polyether thermoplastic polyurethane with 316SS wire-embedded hose.
- Excellent microbial resistance, tight bend radius and good hydrolytic stability.
- Lightweight, very flexible yet durable.
- CIP safe.
- FDA acceptable per CFR 177.1680, 21CFR 177.2600, 21CFR 175.105 (adhesives), EC 1935/2004, 2023-2006, 2002/72/EC and USDA and 3A (20-27).



MATERIAL	TEMP RANGE	PERMEABILITY	SURFACE FINISH
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ETHER- POLYURETHANE	-4° TO 185° F -20° TO 85° C	0 CFM	GLOSS/ GLOSS
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DIAMETERS	TENSILE STRENGTH	WIRE COIL	TEAR STRENGTH
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100MM (3.9") 150MM (5.9") 200 MM (8") 250MM (9.8") 300 MM (12")	34 MPA	316 STAINLESS STEEL	96 N/MM
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- Mainly designed for bag feeders, filling heads or bulk bag fillers.
- CIP Safe
- Tight bend radius
- Very Flexible
- Light-weight
- High mechanical strength
- Excellent microbial resistance
- Good hydrolytic stability
- Complies with FDA CFR 177.1680, CFR 175.105 (adhesives) and 177.2600. (EC) 1935/2004, 2023-2006, 2002/72/EC, USDA and 3A (20-27).

TECHNICAL DATA	PRODUCT
MATERIAL	ETHER-POLYURETHANE
AVAILABLE DIAMETERS	100MM (3.9"), 150MM (5.9"), 200MM (7.9"), 250MM (9.8") AND 300MM (11.8")
WALL THICKNESS	0.60MM /0.023" (100 - 200 DIA) 0.70MM /0.027" (250 - 300 DIA)
TEMP RANGE	-4° TO 185° F /-20° TO 85° C
SURFACE FINISH	GLOSS/GLOSS
WIRE COIL	316 STAINLESS STEEL
WIRE COIL POSITION	50MM FROM CUFF
COMPRESSION RATIO	3:1
TEAR STRENGTH (N/MM)	96
TENSILE STRENGTH (MPA)	34
PERMEABILITY	0
COLOR	TRANSPARENT



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# SEEFLEX 040AS

- Clear ether based thermoplastic polyurethane alloy with anti-static infusion.
- Having no memory Seeflex 040AS will not fracture as a result of constant flexing.
- Designed for applications where static is a problem.
- Compatible with 100% aromatic hydrocarbon vapors, gasoline, crude oil and many others.
- Excellent abrasion, chemical and puncture resistance.
- Dust control sleeves and transitions.
- ATEX compliant on products as low as 1MJ.
- Complies with the following regulations: FDA CFR 177.1680 and 177.2600.



TECHNICAL DATA	PRODUCT
HARDNESS	90 SHORE A
WALL THICKNESS	0.039" (1 MM)
TENSILE STRENGTH	37 MPA
TEMP RANGE	-13° TO 203° F / -25° TO 95° C
LOW TEMP FLEXIBILITY	GOOD
SURFACE FINISH	GLOSS/GLOSS
ULTIMATE ELONGATION	450%
TEAR STRENGTH, DIE C	51 N
MATERIAL RESISTANCE	108 OHMS
100% MODULUS	7.5 MPA
300% MODULUS	11.7 MPA
PERMEABILITY	0 CFM



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