



Sift-Socks™ Nylon Connectors

RUBBER-COATED NYLON (RCN)

Very pliable soft rubber coating on a two-way nylon backing. The rubber portion of the rubber coated nylon fabric is in compliance with FDA requirements of CFR 21.177.2600 (Rubber Articles Intended for Repeated Use).



FIBER CONTENT	NEOPRENE WITH NYLON BACKING
MATERIAL	RUBBER COATED NYLON
WEIGHT	32 OUNCES/YD2 / 678 G/M2
PERMEABILITY	0 CFM @ 0.5" WATER GAUGE
TEMPERATURE RANGE	0° TO 200° F CONTINUOUS, 250° F MAX -18° TO 93° C CONTINUOUS, 121° C MAX

4019 NYLON CORDURA

Tough woven off-white 100% nylon fabric suitable for use as transfer and load out sleeves requiring very good abrasion resistance. Nylon Cordura fabric FDA acceptable for direct food contact per CFR 21.177.1500 (Nylon Resins).



FIBER CONTENT	100% NYLON
MATERIAL	4019 NYLON CORDURA
WEIGHT	12.3 OUNCES/YD2 / 291.5 G/M2
PERMEABILITY	5-15 CFM @ 0.5" WATER GAUGE
TEMPERATURE RANGE	0° TO 200° F CONTINUOUS, 275° F MAX -18° TO 93° C CONTINUOUS, 135° C MAX



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NYLON DUCK

Nylon Duck is made from multi-filament nylon yarn with a 2 x 2 basket construction. It offers very good abrasion and tear resistance and is slightly heavier weight than Cordura and less air permeable. Nylon Duck fabric is FDA acceptable for direct food contact per CFR 21.177.1500 (Nylon Resins).



FDA ACCEPTABLE MATERIALS

FIBER CONTENT	100% NYLON
MATERIAL	NYLON DUCK
WEIGHT	13.2 OUNCES/YD2 / 447.5 G/M2
PERMEABILITY	1-3 CFM @ 0.5" WATER GAUGE
TEMPERATURE RANGE	0° TO 250° F CONTINUOUS, 325° F MAX -18° TO 121° C CONTINUOUS, 163° C MAX

THERMO-FLEX SILICONE COATED NYLON

Dust-tight, strong and flexible coated fabric with very good abrasion, puncture, tear and flex fatigue resistance. Water and oil resistant. Excellent weather resistance. Flame retardant. surface finish - Gray silicone



FDA ACCEPTABLE MATERIALS

APPLICATIONS: Designed specifically for high temperatures (500° F/260° C) - Removable insulation blankets, Flange Covers, Welding Curtains, Safety Clothing, Equipment Covers, Expansion Joints.

FIBER CONTENT	SATIN WEAVE NYLON
MATERIAL	THERMO-FLEX SILICONE COATED NYLON
WEIGHT	17.5 OUNCES/YD2 / 593 G/M2
PERMEABILITY	0 CFM @ 0.5" WATER GAUGE
TEMPERATURE RANGE	-67° TO 500° F MAX / -55° TO 260° C MAX
TENSILE STRENGTH	WARP: 300 LBS/INCH / 53.5 KG/CM FILL: 225 LBS/INCH / 40.1 KG/CM
TEAR STRENGTH	WARP: 50 LBS / 22.6 KG FILL: 50 LBS / 22.6 KG



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Sift-Socks™ Polyester Connectors

VINYL COATED POLYESTER

A polyester based vinyl fabric with a polyester scrim. Conveyor catch-cloth material. Oil, grease, mildew and mold resistant. Water repellent. Heat sealable to eliminate threads and thread wear.

Available in your choice of colors.

FIBER CONTENT	PLOYESTER BASED VINYL W/ A NYLON SCRIM
MATERIAL	VINYL COATED PLOYESTER
WEIGHT	14 OUNCES
PERMEABILITY	0 CFM @ 0.5" WATER GAUGE
TEMPERATURE RANGE	0° TO 180° F CONTINUOUS, 225° F MAX -18° TO 82° C CONTINUOUS, 107° C MAX

868B POLYESTER

Moderate weight spun yarn woven material with good particle capture and retention. Uses include flexible sleeves and dust control vent bags and covers.

FIBER CONTENT	100 % POLYESTER
FIBER CONTENT:	100% WOVEN POLYESTER
WEIGHT:	12.7 OUNCES PER SQUARE YARD
PERMEABILITY:	30 CFM @ 0.5" WATER GAUGE
TEMPERATURE RANGE:	0 TO 275° F CONTINUOUS 300° F MAXIMUM (INTERMITTENT)
FDA ACCEPTABILITY:	YES
NOTES	SPUN YARN WOVEN FABRIC OFFERS EXCELLENT PARTICLE RETENTION FOR USE IN AIR-RELEASE AND VENT BAGS / SLEEVES.



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Sift-Socks™ PTFE Connectors

PTFE ON POLYESTER FELT

Membrane RZ™ Expanded PTFE on Polyester Felt. Well suited for baghouse and dust bags.
PTFE offers excellent release properties.

ENGLISH		METRIC	
FIBER COMPOSITION	POLYESTER	FIBER COMPOSITION	POLYESTER
INDUSTRY BASIS WEIGHT (OZ/YD2)	16	INDUSTRY BASIS WEIGHT (GM/M2)	540
WEIGHT AFTER PTFE LAMINATION (OZ/YD2)	15.0 – 16.0	WEIGHT AFTER PTFE LAMINATION (GM/M2)	460 – 540
THICKNESS, INCHES	.06 - .09	THICKNESS, MM	1.5 - 2.3
WIDTH, INCHES	83	WIDTH, CM	211
AVERAGE AIR PERMEABILITY (CFM/ FT2 @ 0.5" WG)	5.5 - 12	AVERAGE AIR PERMEABILITY (DM3/ DM2/MIN)	27 - 58
CONTINUOUS SERVICE TEMPERATURE (°F)	275°	CONTINUOUS SERVICE TEMPERATURE (°C)	160°
MINIMUM MULLEN BURST STRENGTH (PSI)	400	MINIMUM MULLEN BURST STRENGTH (KG/CM2)	28

PARTICLE REMOVAL IS 99.99989%
@ 1 - 1.5 MICRONS



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PTFE WOVEN FABRIC

PTFE fabric is produced from expanded PTFE “thread”. The thread is woven into fabric in a manner similar to weaving other synthetic materials such as polyester or nylon filaments into fabric. PTFE woven fabric is compliant and FDA-acceptable for direct food contact per CFR 21.177.1680 and CFR 21.177.2600.

- Non-stick for improved product flow and remain dimensionally stable after cleaning with CIP solutions.
- Flex fatigue and tear resistance rates as excellent. Abrasion resistance is very good.
- Recommended for use on all types of vibratory and gyratory equipment.



FDA ACCEPTABLE MATERIALS

PROPERTY	FABRIC WOVEN FROM 100% EXPANDED PTFE FIBERS
WEIGHT	15.3 OZ/SQ YD / 520 G/M2
TEMPERATURE RANGE	-350° TO +500° F / -212° TO 260° C
AVERAGE AIR PERMEABILITY	30 CFM AT 0.5" WATER GAUGE
MAXIMUM STRENGTH	WARP: 375 /LB/IN / 3290 N/ 5CM FILL: 385 LB/IN / 3,370 N/5 CM
ELONGATION AT YIELD	WARP: 11.3% FILL: 6.4%
LIGHT VALUES	TRANSMISSION: 30% REFLECTION: 69% ABSORPTION: 0-1%
FLEX LIFE	VIRTUALLY UNLIMITED
COLOR	WHITE
FLAMMABILITY	94 V-0; LOI IS GREATER THAN 95%
CHEMICAL RESISTANCE	RESISTANT TO ALL ACIDS AND ALKALINE SOLUTIONS FROM PH 0 TO 14 AND ALL ORGANIC SOLVENTS OF THE ENTIRE USEFUL TEMPERATURE RANGE.
UVR	COMPLETELY RESISTANT TO UV RADIATION



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PTFE WOVEN LAMINATE FABRIC

A premium woven and laminated PTFE fabric with a finished weight of approximately 9 oz. per square yard. PTFE woven laminate is FDA acceptable for direct food contact per CFR 21.177.1550. Offers excellent high temperature, flex fatigue and chemical resistance.



FDA ACCEPTABLE MATERIALS

PROPERTY	ENGLISH	PROPERTY	METRIC
FIBER AND SCRIM COMPOSITION	PTFE	FIBER AND SCRIM COMPOSITION	PTFE
INDUSTRY BASIS WEIGHT (OZ/YD2)	9	INDUSTRY BASIS WEIGHT (GM/M2)	305
WEIGHT AFTER THERMOBONDING (OZ/YD2)	11.0 – 13.0	WEIGHT AFTER THERMOBONDING (GM/M2)	373 – 441
WEAVE PATTERN	4 HARNESS SATEEN	WEAVE PATTERN	4 HARNESS SATEEN
THREAD COUNT (NOMINAL)	114 X 82	THREAD COUNT (NOMINAL)	45 X 32
WIDTH (-1/8")	44	WIDTH (-0.3 CM)	112
AVERAGE AIR PERMEABILITY (CFM/ FT2 @ 0.5" WG)	0.5 – 2.5	AVERAGE AIR PERMEABILITY (L/MIN/DM2 @ 20 MM WG)	2.4 – 12.0
CONTINUOUS SERVICE TEMPERATURE (°F)	500°	CONTINUOUS SERVICE TEMPERATURE (°C)	260°
MINIMUM MULLEN BURST STRENGTH (PSI)	450	MINIMUM MULLEN BURST STRENGTH (KG/CM2)	32
12.00 (305MM)	20	3	8.14



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Sift-Socks™ Other Material

ALUMINIZED KEVLAR™

Aluminized Kevlar is woven medium weight fabric of an Aramid fiber blend over a fiberglass core yarn. Resistant to reflected heat, offers excellent thermal, splatter, and molten metal splash protection.

FIBER CONTENT	DUAL MIRROR ALUMINIZED PARA-ARAMID
BASE MATERIAL	ARAMID/FIBERGLASS
COLOR/ APPEARANCE	ALUMINIZED 1 SIDE, YELLOW REVERSE
WEAVE STYLE	PLAIN
FABRIC WEIGHT	24 OZ/YD2 (815 GM/M2)
FABRIC THICKNESS	0.065" (1.65MM)
AVERAGE TENSILE STRENGTH	WARP: 240 LB/IN FILLING: 170 LB/IN
THERMAL CONDUCTIVITY "K" FACTOR, BASE FABRIC	0.369 BTUX IN/HR (ASTM D2214-70)
TOTAL CONDUCTANCE "C" FACTOR, BASE FABRIC	6.13 BTUX IN/HR (ASTM D2214-70)
TOTAL RESISTANCE "R" FACTOR, BASE FABRIC	0.163 HR X FT2 X DEG F/BTU (ASTM D2214-70)



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ARMATEX (SILICONE-COATED FIBERGLASS)

High Strength, high performance fiberglass fabric coated on one side with silicone rubber. Excellent flame and abrasion resistance, as well as resistance to oils and hydrocarbons.



FDA ACCEPTABLE MATERIALS

FIBER CONTENT	FIBERGLASS
COATING	CURED SILICONE RUBBER ONE SIDE
COLOR	BLACK
WEIGHT, OZ/SQ. YD	BASE FABRIC: 18 COATING: 5 FINISHED: 23
OVERALL THICKNESS, INCHES	0.04
TEMPERATURE RATING	BASE FABRIC: 1400°F / 760°C COATING: 500°F / 260° C (TRANSIENT EXPOSURE TO 600°F /315° C)
WIDTH, INCHES	60 (±5%)

KEVLAR™

Kevlar is lightweight, very strong, self-extinguishing, dimensionally stable fabric with excellent abrasion, puncture, chemical, flex fatigue and high temperature resistance.

MATERIAL	100% PARA-ARAMID FIBER KEVLAR™
CONSTRUCTION	MULTI-FILAMENT PLAIN WEAVE
WEIGHT (G/M2)	22 OZ/YD2 746 G/M2
THREAD COUNT PER 25MM	17 X 16
AIR PERMEABILITY	5 CFM AT 0.5" WATER GAUGE
AVERAGE TENSILE STRENGTH (KGF) TEST STANDARD ASTM 5035	WARP: 726 FILLING: 758 (±58 KGF)
FINISH	SCOURED AND HEAT SET
TEMPERATURE	0° TO 600° F CONTINUOUS -18° TO 316° C CONTINUOUS



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SILICONE COATED NOMEX

Dust-tight, strong and flexible coated Nomex with good abrasion, puncture, tear and flex fatigue resistance. Water and oil resistant. Flame retardant. Silicone coating is FDA-acceptable for direct food contact.



FDA ACCEPTABLE MATERIALS

FIBER CONTENT	PLAIN WEAVE NOMEX
BASE FABRIC	
TYPE	NOMEX
WEAVE	PLAIN
WEIGHT, OZ/SY, NOMINAL	4.5
TEMPERATURE RATING	450° F 232° C
COATING	
TYPE	FDA FOOD GRADE SILICONE RUBBER
WEAVE	BLACK
WIDTH, INCHES	FACE SIDE
WEIGHT, OZ/SY, NOMINAL	6.5
TEMPERATURE RATING	500° F 260° C
FINISHED PRODUCT	
WEIGHT, OZ/SY	11
THICKNESS, INCHES, NOMINAL	0.026



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