



COMPARATIVE PROPERTIES CHART: POLYURETHANE, PTFE (TEFLON®) & RUBBER COMPOUNDS

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* DISCLAIMER: THE DATA PROVIDED IS INTENDED AS A GUIDE ONLY AND SHOULD NOT BE INTERPRETED AS A WARRANTY. SIFTEX RECOMMENDS EACH CUSTOMER THOROUGHLY TEST POLYURETHANE, PTFE (TEFLON®) & RUBBER COMPOUNDS IN THEIR OWN MANUFACTURING FACILITY TO DETERMINE THE SUITABILITY OF THE FABRIC IN THEIR SPECIFIC APPLICATION.

	CLEAR-FLEX SDX POLYURETHANE (CLEAR)	PTFE LAMINATE FILM (WHITE)	NATURAL GUM RUBBER (WHITE)	NEOPRENE RUBBER (WHITE)	NITRILE RUBBER (WHITE)	EPDM RUBBER (WHITE)	SILICONE RUBBER (RED /WHITE)	CARBOXYLATED NITRILE RUBBER (WHITE)
ABRASION RESISTANCE TABER TEST METHOD	★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★
TEAR & FLEX FATIGUE RESISTANCE FLEX MODULUS, PSI	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
OIL & GREASE RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
HARSH CHEMICAL RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
MILD CHEMICAL RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
SUITABLE FOR CIP	YES	YES	NO	YES	YES	YES	YES	YES
WATER RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
UV LIGHT & OUTDOOR EXPOSURE RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
TEMPERATURE RANGE CONTINUOUS	0 TO 223°F 18 TO 106°C	-100 TO 600°F -73 TO 106°C	-65 TO 180°F -54 TO 82°C	-80 TO 212°F -54 TO 100°C	-65 TO 250°F -54 TO 121°C	-90 TO 290°F -68 TO 143°C	-120 TO 450°F -84 TO 232°C	-65 TO 250°F -54 TO 121°C
BREATHABLE OR DUST- TIGHT CFM AIRFLOW AT 0.5" WG	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM	DUST-TIGHT 0 CFM
FDA FOR DIRECT FOOD CONTACT	YES	YES	YES	YES	YES	YES	YES	YES
EC FOOD SAFETY COMPLIANT	YES	YES	YES	YES	YES	YES	YES	YES
STATIC CONTROL OPTIONS	STATIC-DISSIPATIVE 1.4 X10 ⁹ OHMS/SQ	STATIC-CONDUCTIVE AVAILABLE	STATIC-CONDUCTIVE CHANNEL HOSE	STATIC-CONDUCTIVE AVAILABLE	STATIC-CONDUCTIVE CHANNEL HOSE	STATIC-CONDUCTIVE CHANNEL HOSE	NO	STATIC-CONDUCTIVE CHANNEL HOSE

★ OUTSTANDING
★★★★★ EXCELLENT
★★★★★ VERY GOOD
★★★★★ GOOD
★★★★★ FAIR
★★★★★ POOR

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COMPARATIVE PROPERTIES CHART: SIFT-SOCK™ FABRICS

	PTFE WOVEN LAMINATE FABRIC (WHITE)	#022 WOVEN PTFE FABRIC (WHITE)	RUBBER COATED NYLON (RCN) (WHITE)	4019 CORDURA NYLON (WHITE)	NYLON SATIN FABRIC (WHITE)	#322 POLYESTER FABRIC (WHITE)	#180 POLYESTER MONOFILA- MENT (WHITE)	868B POLYESTER (WHITE)	FEATHER-FLEX™ (WHITE)
ABRASION RESISTANCE TABER TEST METHOD	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
TEAR & FLEX FATIGUE RESISTANCE FLEX MODULUS, PSI	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
OIL & GREASE RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
HARSH CHEMICAL RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
MILD CHEMICAL RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
SUITABLE FOR CIP	YES	NO (WILL LEAK)	YES	NO (WILL LEAK)	NO (WILL LEAK)	NO (WILL LEAK)	NO (WILL LEAK)	NO (WILL LEAK)	YES
WATER RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
UV LIGHT & OUTDOOR EXPOSURE RESISTANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
TEMPERATURE RANGE CONTINUOUS	-390 TO 500°F -234 TO 260°C	-390 TO 500°F -234 TO 260°C	0 TO 200°F -18 TO 93°C	-0 TO 200°F -18 TO 93°C	-0 TO 200°F -18 TO 93°C	-0 TO 250°F -18 TO 121°C	-0 TO 250°F -18 TO 212°C	-0 TO 275°F -18 TO 135°C	-100 - 200°F -73C - 90°C
BREATHABLE OR DUST-TIGHT CFM AIRFLOW AT 0.5" WG	NEARLY DUST-TIGHT 0.5 CFM	BREATHABLE 30 CFM	DUST-TIGHT 0 CFM	BREATHABLE 5-15 CFM	BREATHABLE 20-35 CFM	BREATHABLE 20-30 CFM	BREATHABLE 8.5 CFM	BREATHABLE 30 CFM	NEARLY DUST-TIGHT 0.5CFM
FDA FOR DIRECT FOOD CONTACT	YES	YES	YES	YES	YES	YES	YES	YES	YES
EC FOOD SAFETY COMPLIANT	YES	YES	YES	YES	YES	YES	YES	YES	NO
STATIC CONTROL OPTIONS	ADD GROUND WIRE	ADD GROUND WIRE	ADD GROUND WIRE	ADD GROUND WIRE	ADD GROUND WIRE	ADD GROUND WIRE	WOVEN-IN GROUND WIRE	ADD GROUND WIRE	ADD GROUND WIRE

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