



Clear-Flex SDX™



Polyether-based thermoplastic polyurethane compound. Proprietary formulate meets the static dissipation requirements of the ATEX Directive and NEC Class II, Div I and Div 2. EC 10/2011 compliant. FDA-acceptable for direct food contact per CFR 21.177.1680 and CFR 21.177.2600. UV stabilized, low relative humidity permanent ESD protection, clear (natural) color. Clear-Flex SDX is phthalate-free.

ABRASION RESISTANCE	★★★★★	OUTSTANDING
TEARING RESISTANCE	★★★★○	EXCELLENT
FLEX FATIGUE RESISTANCE	★★★★○	EXCELLENT
OIL/GREASE*	★★★○○	GOOD
WEATHERING	★★★★○	EXCELLENT
RESISTANCE TO WATER ABSORPTION	★★★★○	EXCELLENT
ACID (DILUTE)*	★★★○○	GOOD
ACID (CONCENTRATED)*	★○○○○	POOR
CHLORINATED HYDROCARBON*	★★★○○	GOOD

OPERATING TEMPERATURE 0° TO 223° F / -18° C TO 106° C

PROPERTY	ENG	MET	ASTM
SPECIFIC GRAVITY	1.12	1.12	D792
TENSILE STRENGTH	3060 PSI	3060 PSI	D792
ULTIMATE ELONGATION	590%	590%	D412
TEAR STRENGTH, DIE C	460.0 LBS/IN ²	460.0 LBS/IN ²	D624
HARDNESS SHORE A, 10S DELAY	90	90	D2240
TABER ABRASION MG LOSS: H-18, 1000G LOAD @ 1000 CYCLES	39 MG	39 MG	D5963-96
COMPARABLE 55A NEOPRENE RUBBER TABER RESULT	137 MG	137 MG	D5963-96
SURFACE RESISTANCE ¹	1.4 X 10 ⁶ OHM/SQ	1.4 X 10 ⁶ OHM/SQ	D257
STATIC DECAY MIL-PRF-81705D, 5KV TO 50V, 12% RH	0.50 SECONDS	0.50 SECONDS	FTMS101C 4046.1

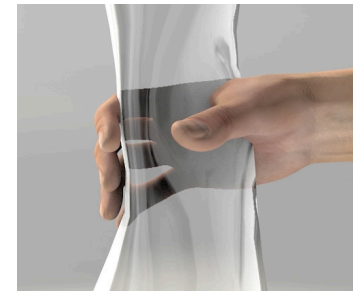
1. SURFACE RESISTANCE: 1.4 X 10⁶ IS BASED ON TESTING PER IEC STANDARD PRACTICE FOR ATEX COMPLIANCE. RESULTS MAY VARY ON HUMIDITY, TEMPERATURE, AND SAMPLE PREPARATION.



CERTIFIED
NO PHTHALATE
NO BISPHENOL-A
NON-TOXIC



STATIC-DISSIPATIVE



CLEAR-FLEX SDX IS AVAILABLE IN A VARIETY OF FORMS, INCLUDING SEAMLESS TUBING, CUSTOM CONNECTORS, MOLDED CORRUGATED SLEEVES, AND DURA-BALLS.

CLEAR-FLEX SDX surpasses ATEX requirements for static dissipation. Complies with both FDA and EC standards for direct food contact, while retaining flexibility, exceptional clarity and outstanding durability.

DISCLAIMER: THE DATA PROVIDED IS INTENDED AS A GUIDE ONLY AND SHOULD NOT BE INTERPRETED AS A WARRANTY. IT IS NOT INTENDED TO BE USED TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR ANY SPECIFIC CUSTOMER APPLICATION. SIFTEX STRONGLY SUGGESTS THAT EACH CUSTOMER THOROUGHLY TEST THE PROSPECTIVE PRODUCT IN THEIR OWN MANUFACTURING FACILITY TO DETERMINE THE ACTUAL SUITABILITY OF THE PRODUCT IN THEIR SPECIFIC APPLICATION.

