



## PTFE LAMINATE™ PTFE Connectors

### PTFE (TEFLON®) FLEXIBLE CONNECTORS

PTFE Laminate Film is built up to the desired wall thickness by laminating thin layers of PTFE film at 45° and 90° angles on a sheet. The proprietary cross pattern lamination process produces exceptional 360° tear strength and durability. PTFE laminate offers excellent chemical, environmental and extreme thermal stability. It provides very good abrasion resistance in that its surface is non-stick.

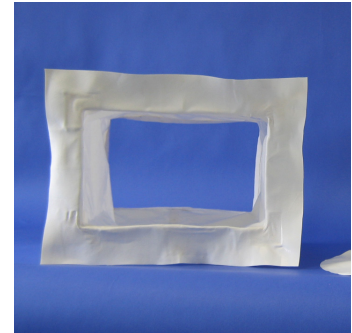
- FDA-acceptable for direct food contact per CFR 21.177.1550 and CFR 21.178.3297
- 3-A Sanitary per Standard 20-25.
- 2003/11/EC, 2005/59/EC, 1935/2004 compliant for plastics in food contact.

	LIGHTWEIGHT	STANDARD	HEAVYWEIGHT
THICKNESS	.005" (0.133MM)	.009" (0.23MM)	.020" (0.51MM)
WEIGHT	8.0 OZ/SQ YARD / 272 G/SQ METER	13.5 OZ/SQ YARD / 457.8 G/SQ METER	29 OZ/SQ YARD / 984 G/SQ METER
UPPER USE TEMPERATURE	600° F (316° C) CONTINUOUS SERVICE	600° F (316° C) CONTINUOUS SERVICE	600° F (316° C) CONTINUOUS SERVICE
TENSILE STRENGTH	23 LBS/IN (205 N/ 50MM)	25 LBS/IN (223.4 N/ 50MM)	87 LBS/IN (778 N/ 50MM)
TEAR STRENGTH	18 LBS (80.1N)	22 LBS (99.8N)	65 LBS (295N)

\* Also available in a range of other thicknesses.

PTFE laminate is not recommended for use on gyratory sifters with constant, large "throw" motion; Rotex gyratory screeners, large Plan Sifters such as Buhler or Great Western flour sifters. The film will prematurely tear under constant gyratory motion.

On oscillating and vibratory equipment, PTFE laminate film has excellent flex fatigue resistance. In dynamic flex testing (iso 7854-1984), with 20 lbs/in load the PTFE laminate mean cycle-to-failure was 3.2 million cycles compared to 185,000 cycles for PTFE/Fiberglass composite materials.



PTFE (TEFLON®)

BLACK STATIC-CONDUCTIVE PTFE LAMINATE IS FULLY FDA-ACCEPTABLE FOR DIRECT FOOD CONTACT. THIS FILM OFFERS A SURFACE RESISTANCE OF <300,000 OHMS/SQ WHICH IS SUITABLE FOR USE IN ATEX COMPLIANCE ZONES.



SCAN FOR  
PRODUCT  
INFORMATION

**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.

