

**PRODUCT SPECIFICATIONS
PART# 14030-14036 EXPRESS-SLEEVING**

GENERAL DESCRIPTION: These fabrics are made from highly texturized silica based yarns. The higher temperature capability is the result of a specialized manufacturing process. Thermo-Tec fabrics are free of any asbestos, are softer than asbestos fabrics of the same weight and have almost five times their abrasion resistance. The unique specifications of the Aluminized materials are listed below.

APPROVALS/CERTIFICATIONS: U.S. Coast Guard Specification#164.009. UL #214 for flame propagation and UL #723 for surface burning of fabric and films. Military standard MIL-I-24244 for leachable chlorides. Meets or exceeds NFPA Specification 701 for materials that withstand high temperature without supporting combustion.

APPLICATIONS: Typical applications include plug wires, fuel lines, firewalls, etc...

PROPERTIES

PHYSICAL PROPERTIES OF SINGLE FILAMENT

Fiber Length.....	Continuous
Specific Gravity.....	2.54
MOH Hardness.....	6.50
Contact Angle with Water, Degrees.....	0
Coefficient of Friction with Glass.....	1.0
MOISTURE ABSORBENCY, % (surface)	
UP TO.....	0.3
MOISTURE REGAIN.....	NONE
FIBER TENSILE STRENGTH, PSI	
@ 72deg F.....	500,000
@ 700deg F.....	380,000
@ 1000deg F.....	250,000
FIBER TENSILE MODULUS, PSI	
@ 72deg F.....	10.5 x 10 ⁶
HYSTERESIS.....	NONE
CREEP.....	NONE
ELONGATION AT BREAK, %	4.8
DIELECTRIC STRENGTH, VOLTS/MIL.....	498
DIELECTRIC CONSTANT.....	5.9 TO 6.4
ELASTIC RECOVERY, %	100
K-FACTOR (Thermal Conductivity) Btu/hr. ft.degF.....	0.3385
Thermal resistance rating R of	1.7
USE LIMIT, deg F (max).....	2000
MELTING POINT, deg F.....	3000

CHEMICAL PROPERTIES

Thermo-Tec products possess excellent resistance to chemical attack. Exceptions include hydrofluoric and corrosive elements at elevated temperatures. Thermo-Tec products are unaffected by oil or water. Thermal and physical properties are restored after drying. Data are average results of tests conducted under standard procedures and are subject to variation.