



PRODUCT SPECIFICATIONS

PART# 13500, 13575, 13585, 13590, 13575-50, 13590-50

ADHESIVE-BACKED ALUMINIZED HEAT BARRIER

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.

APPLICATIONS: Typical applications include fuel lines, hoses, firewalls, under hood, etc...

PROPERTIES:

WEIGHT20 (oz/yd ²)
THICKNESS035 inches/ .89 mm
MOISTURE ABSORBENCY, % (surface) UP TO.....	0.3
MOISTURE REGAIN.....	NONE
ELASTIC RECOVERY, %.....	100
THERMAL CONDUCTIVITY	K Factor of .328 (Btu in/hr ft ² deg F)/.047(W/m ² K)
THERMAL TRANSMITTANCE.....	4.1 (BTU/hr ft ² deg F) /22.28 (W/m ² K)
USE LIMIT, deg F	1000
RADIANT LIMIT, deg F.....	2000
MELTING POINT, deg F.....	1350
ADHESIVE LIMIT, deg F.....	300

CHEMICAL PROPERTIES:

Thermo-Tec products possess excellent resistance to chemical attack. Exceptions include hydrofluoric and Phosphoric acids 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.