Mid-Mountain Materials

THE FINAL BARRIER
AGAINST ABRASION,
CHEMICALS AND HEAT

HYTEX® 2500 CERAMIC FIBER INDUSTRIAL TEXTILES

2500°F • 1370°C

HYTEX® 2500 Ceramic Fiber Industrial Textiles are exceptionally effective high temperature textile products capable of withstanding continuous temperatures up to 2500°F • 1370°C. Manufactured from ceramic fiber yarn with no supportive carrier fibers, these products retain strength, flexibility and molten metal resistance at higher temperatures than most other refractory textile materials. Low thermal conductivity and high electrical resistivity makes HYTEX® 2500 products highly efficient as high temperature thermal and electrical insulation.

HYTEX® 2500 textiles are compatible with silicone, epoxy, phenolic, polyester, and polyimide matrix materials. Fire barriers constructed from HYTEX® 2500 products are lighter weight than metallic materials and have successfully passed FAA 2000°F • 1095°C 15-minute flame penetration tests.

AVERAGE PHYSICAL PROPERTIES OF FIBER

- Composition . . . . . 70% Alumina
- Color . . . . . White
- Use Limit, short term . . . . 2800°F • 1540°C
- Use Limit, continuous . . . . 2500°F • 1370°C
- Melting Point . . . . . 3260°F • 1795°C
- Sunlight & Aging Resistance . Excellent
- Acid Resistance . . . . . Good
- Alkali Resistance . . . . . Fair
- Abrasion Resistance . . . . . Fair to Good
- Solvent Resistance . . . . . Excellent

HYTEX® 2500 PRODUCTS

PRODUCT	TYPE	WIDTH/DIAMETER	THICKNESS
Cloth	Woven	Various	0.18" to .030"
Tape	Woven	1", 1 1/2", 2"	.018"
Sleeving	Braided	1/16" to 2 1/2"	.031" to .125"
Rope	Braided	1/8" to 3"	

HYTEX® 2500 products can be supplied with special densities, constructions, and pressure-sensitive adhesive backing. HYTEX® 2500 products are fabricated in various forms and shapes to customer specifications utilizing thermally compatible sewing thread.

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.

Mid-Mountain Materials, Inc. • Telephone (800) 382-2208 • (206) 762-7600 • Fax (206) 762-7694
PO Box 800 • 2835 - 82nd Avenue SE, Suite 100 • Mercer Island, WA 98040
info@mid-mountain.com • www.mid-mountain.com