



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

HYTEX® 5000 HIGH CARBON INDUSTRIAL TEXTILES (PAN)

5000°F • 2760°C

A family of textile products composed of heat-stabilized polyacrylonitrile fibers recommended for short-term exposure to very high temperature.

AVERAGE PHYSICAL PROPERTIES OF FIBER

- > Composition Polyacrylonitrile 64% Carbon (PAN)
- > Color Black
- > Use Limit, short term 900°F, in air-6000°F, no oxygen
480°C, in air-3315°C, no oxygen
- > Use Limit, continuous 700°F, in air-5000°F, no oxygen
370°C, in air-2760°C, no oxygen
- > Melting Point Decomposes at 6600°F • 3650°C
- > Sunlight & Aging Resistance . Good
- > Acid Resistance Excellent
- > Alkali Resistance Good
- > Abrasion Resistance Fair
- > Solvent Resistance Excellent

HYTEX® 5000 PRODUCTS

PRODUCT	TYPE	WIDTH/DIAMETER	THICKNESS
Cloth	Woven	40"	Various
	Knit	12" to 40"	.060" to .250"
Tape	Woven	1" to 3"	Various
	Knit	1/2" to 12"	.060" to .250"
Sleeving	Braided	1/8" to 3"	.060" to .250"
Rope	Braided	1/8" to 3"	
	Knit	1/8" to 1 1/2"	

HYTEX® 5000 products can be supplied with special densities, constructions, and coatings, and with pressure-sensitive adhesive backing.

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.