

TECHNICAL DATA SHEET - PyroTex[®] Fiber -

Fineness	2.0/2.5/3.5den (2,2/2,8/3,8dtex)
Limiting Oxygen Index (LOI)	43% [ISO 4589-2]
Tenacity	18.0 cN/tex (2.1g/den)
Elongation	29%
Shrinkage in boiling water	0%
Alkaline Resistance	very good
Acid Resistance	very good
UV Resistance	very good
Solvent Resistance	very good
Hydrolysis Resistance	very good
Melting point	does not melt
Afterglow	no
NBS Smoke density (opacity of smoke)	0 after 4min (does not smoke) [ASTM E662-97]
Moisture Regain	12%
Water Imbibition	45%
Oeko-Tex Standard 100	Class I (baby products)
REACH	pass
Density	1.5g/cm ³
Continuous Heat Resistance	250°C (480°F)
Thermal conductivity (k value) (ability to conduct heat)	0.030 W/mK [ISO8301] (the lower the better the thermal protection)
Thermal Resistance (R value m ² K/W) (ability to resist the flow of heat)	material thickness [m]/0.030 W/mK (the higher the better the heat resistance)
Staple lengths	10-120mm (0.8-4.5in)
Dyeable	yes

PyroTex[®] is antimony, bromide and halogen free