

PHYSICAL PROPERTIES

WEIGHT	0.27 lb/ft ² - 1.3 kg/m ²
COMPOSITION	100% Recycled Polyester
Longitudinal view	

MECHANICAL PROPERTIES

Test method	Lab-TME 2T : adapted from NF G 071-119 or NEQ ISO 5081	
Tensile strength	Warp	13442 lb/ft - 200 kN/m - 20 t/m
Elongation at break (%)		34 %
Tensile strength	Weft	8065 lb/ft - 120 kN/m - 12 t/m
Elongation at break (%)		24 %
Compression	1740 psi - 12 Mpa (N/mm ²)	

CHEMICAL PROPERTIES

Moisture regain 68°F 20°C - 65% HR	0.4%
Acid resistance	Good
Alkali resistance	Good
Solvent resistance	Good
Resistance to hydrocarbons : Kerosene F34, F35, Military lubricants F54, Domestic oil XF10	Good
Resistance to aviation hydraulic fluids (Ex. : Skydrol – HyJet IV A plus (Exxon))	Excellent (no physical deterioration after 18 days of wetting. 100% mechanical characteristics).
UV and weather resistance	Excellent
Micro-organisms resistance	Excellent
Urea and Liquid manure resistance	Excellent

THERMAL PROPERTIES

Useable temperature	-40°F / +176°F -40°C / + 80°C
Softening temperature	428°F 220°C
Melting temperature	500°F 260°C
Degradation temperature	572°F 300°C
Combustion behaviour	Self-extinguishing upon removal of the flame

The technical data are not binding and not expressly warranted characteristics of the goods.

