

SOFTSHELL

		Test Standard
Material	polyester softshell	
Weight	140(g/m ²)	ASTM D3776/D3776M
Water Repellency	Rating: 85	AATCC 22-2005
Air Permeability Of Textile Fabrics	Average : 34.27(CFM)	ASTM D7370-2004 (2008)
Color Fastness To Water	Change in shade Staining on multi-fiber stripe 4.5	TM335:1994
Color Fastness To Perspiration	Acidic Change in shade Staining on multi-fiber stripe 4.5	AATCC 15-2009
Tensile Strength	Tighter directions 333.3N Stretcher directions 280.1N	TM29:1992
Elongation	Tighter directions 44% Stretcher directions 42%	
Tearing Strength	Tighter direction 22.3N Stretcher direction 20.5N	TM30:1995
Abrasion Resistance	Dry After 44800 cycles Wet After 6400 cycles	TM31:2003
Stretch Properties of Woven Fabrics from Stretch Yarns		ASTM D3107-2003
(A) Stretch and growth percentage	Warp(15.3) Weft(19.2)	Stretch at 4 lb load after 30 min(%)
	Warp(2.0) Weft(5.0)	Immediate fabric growth after 30 sec 2.0 5.0 relaxation (%)
(B) Fabric growth after stretched to specified extension	Warp(1.4) Weft(4.2)	After 30 sec relaxation (%)
	Warp(0.8) Weft(2.2)	After 30 min relaxation (%)
	Warp(0.6) Weft(1.8)	After 1 hour relaxation (%)
(C) Fabric recovery after growth to specified extension	Wrap(89.2) Weft(74.3)	After 30 sec relaxation (%)
	Wrap(93.8) Weft(86.5)	After 30 min relaxation (%)
	Wrap(95.4) Weft(89.0)	After 1 hour relaxation (%)

