

General Properties

Total Weight	DIN EN ISO 2286	770 +/- 50 g/m2
Total Thickness	DIN EN ISO 22861.20	1.20 +/- 0.15 mm
Composition	83.12 % PVC Phthalate free 16.88 % Polyester	
Roll Width / Lenght	1.37 m / 30 lm	

Flame Retardant

FLAME RETARDANT		DIN 4102 B1	Passed
FLAME RETARDANT		ÖNORM B 3825 Groupe 1	Groupe 1
SMOKE EMISSION		ÖNORM A 3800-1, Q1	Smoke Class „Q1“
FLAME RETARDANT		M2 nach NF P 92-507	Passed
FLAME RETARDANT		EN 1021-1/2	Passed
FLAME RETARDANT		UNI-9175 Class 1/IM	Class 1 / IM
FLAME RETARDANT		SAE J369/MVSS302, FED-STD-191A Test 5903	100 mm / minute, max.
FIRE TEST TO MARINE COMPONENTS		IMO, Directive 2014/90/EU, Module B/D: MED/ 3.20; Res. MSC.307(88) – (2010 FTP Code). Annex 1, Part 8	Passed
FIRE TEST TO AIRCRAFT MATERIALS Vertical Burn		FAR 25/853 Appendix F Part I; a; 1; ii FED-STD-191A Test 5903	Flame time: 10 sec. max. Burn lenght: 6 inches max.

Performance

MARTINDALE CYCLES, Dry	DIN EN ISO 12 947-2	≥ 800.000
WYZENBEEK ABRASION RESISTANCE	CFFA 1A (50.000 cycles)	Meets or exceeds
RESISTANCE TO OILS - BENDING TEST	DIN 53 359	No change
RESISTANCE TO HYDROSTATIC PRESSURE	DIN EN 20811	≥ 1000 cm
COLD CRACK at -29°C, 4.05J impact	FLTM BN 128-01	No visible cracking
BREAKING STRENGTH	ISO 1421 Method 1	Warp: 350 N min. Weft: 300 N min.
RESISTANCE TO TEAR (TONGUE)	ISO 4674-1	Warp: 25 N min. Weft: 25 N min.
ADHESION OF VINYL FILM TO FABRIC	ISO 2411	Warp: 20 N min. Weft: 20 N min.
STRETCH / SET	SAE J855	Warp: 25 %min. / 10 %, max. Weft: 50 %, min. / 18 %, max.

Safety / Hygiene

CYTOTOXICITY	EN ISO 10993-5	Passed
IRRITATION AND HYPERSENSITIVITY	EN ISO 10993-10; Patch Test	Passed
RESTRICTED SUBSTANCES TEST Part 3: Migration of certain elements, toy safety	DIN EN 71-3	Emission of heavy metal below detection limit
BLOOD RESISTANCE TEST	TITV Greiz	Passed
URINE RESISTANCE TEST	DIN EN ISO 32100	Passed; No changes, note 5

Colour Fastness

LIGHTFASTNESS	DIN EN ISO 105-B02	Level ≥ 6
RESISTANCE TO SEA WATER	DIN EN ISO 105-E02	4-5 minimum
RESISTANCE TO CHLORINATED WATER	DIN EN ISO 105-E03	4 minimum
RESISTANCE TO ARTIFICIAL SALIVA	DIN 53 160-1	Passed, Note 5
RESISTANCE TO ARTIFICIAL SWEAT	DIN 53 160-2	Passed, Note 5
RESISTANCE TO PERSPIRATION	DIN EN ISO 105-E04	Passed, Note 4-5
HEAT AGEING @ 85 °C, 7 days	LP-463LB-13-01	Rating 4 ISO Gray Scale
RESISTANCE TO CROCKING	DIN EN ISO 105-X 12	Dry-Minimum 5.0 AATCC Wet-Minimum 5.0 AATCC

