







## Kunstleder Malaga/Navigator

### GENERAL PROPERTIES

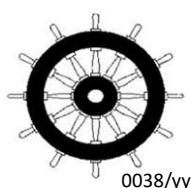
Total Weight	DIN EN ISO 2286	730 +/- 50g/m <sup>2</sup>	Composition	80.82 % PVC Phthalate free 19.18 % Polyester
Total Thickness	DIN EN ISO 2286	1.20 +/- 0.15mm	Roll Width/Length	1.37 m / 30 m

### FLAMMABILITY

1	FLAME RETARDANT		DIN 4102 B2	Passed
2	FLAME RETARDANT		Önorm B3825	Gruppe 1
3	SMOKE EMISSION		ÖNORMA 3800 Teil 1	Qualmbildungsklasse "Q1"
4	FLAME RETARDANT		EN 1021 - 1 EN 1021 - 2	Passed
5	FLAME RETARDANT		UNI 9175	Class 1 / IM
6	FLAMMABILITY		SAE J369/MVSS302	100 mm / minute, max.
7	FIRE TEST TO MARINE COMPONENTS FIRE TEST TO AIRCRAFT MATERIALS		IMO-MSC-307(88)(FTP Code 2010) Annex 1 Part 8 FAR 25/853 Appendix F Part I; a; 1; ii	Passed Flame time: 10 sec. max.
8	Vertical Burn		FED-STD-191A Test 5903	Burn length: 6 inches max.

### PERFORMANCE

9	MARTINDALE ABRASION, Dry		DIN EN ISO 12 947 Teil 2	> 400.000
10	WYZENBEEK ABRASION RESISTANCE		CFFA 1A (50.000 cycles)	Meets or exceeds
11	RESISTANCE TO OILS - BENDING TEST		DIN 53 359	No change
12	RESISTANCE TO HYDROSTATIC PRESSURE		DIN EN 20811	> 1000 cm
13	COLD CRACK at -29°C, 4.05J impact		FLTM BN 128 - 01	No visible cracking
14	BREAKING STRENGTH		ISO 1421 Method 1	Warp: 350 N minimum Weft: 300 N minimum
15	RESISTANCE TO TEAR (TONGUE)		ISO 4674 - 1	Warp: 25 N minimum Weft: 25 N minimum
16	ADHESION OF VINYL FILM TO FABRIC		ISO 2411	Warp: 25 N minimum Weft: 25 N minimum
17	STRETCH/SET		SAE J855	Warp: 25%, min./10%, max. Weft: 50%, min./18%, max.



**SAFETY / HYGIENE**

18 RESTRICTED SUBSTANCES TEST Part 3: Migration of certain elements	DIN EN 71 - 3	Emission of heavy metal below detection limit
19 BLOOD RESISTANCE TEST	TITV Greiz	Passed
20 URINE RESISTANCE TEST	DIN EN ISO 32100	Passed; No changes, note 5

**COLOUR FASTNESS**

21 LIGHT FASTNESS	DIN EN ISO 105 - B02	4 - 5 minimum
22 RESISTANCE TO SEA WATER	DIN EN ISO 105 - E02	4 - 5 minimum
23 RESISTANCE TO CHLORINATED WATER	DIN EN ISO 105 - E03	4 minimum
24 RESISTANCE TO ARTIFICIAL SALIVA	DIN 53 160 - 1	Passed, Note 5
25 RESISTANCE TO ARTIFICIAL SWEAT	DIN 53 160 - 2	Passed, Note 5
26 RESISTANCE TO PERSPIRATION	DIN EN ISO 105 E - 04	Passed, Note 4 - 5
27 HEAT AGEING @ 85°C, 7 days	LP - 463LB - 13 - 01	Rating 4 ISO Gray Scale
28 RESISTANCE TO CROCKING	DIN EN ISO 105 - X12	Dry-Minimum 5.0

AATCC Wet-Minimum  
5.0 AATCC