

ALVARO

Estofos - Upholstery

TECHNICAL SPECIFICATIONS

CHARACTERISTICS	METHODS	UNITS	RESULTS
Weight	ISO 2286-2	g/m ²	660+/-5%
Thickness	ISO 2286-3	mm	0.90-1.10
Coating composition	---	%	PVC - 87
Textile composition	---	%	PES - 8 CO - 5
Tensile strength	ISO 1421	N	T / Warp>=300 Tr / Weft>=200
Elongation at break	ISO 1421	%	T / Warp>=30 Tr / Weft>=100
Tear strength	ISO 4674-1	N	T / Warp>=30 Tr / Weft>=30
Coating adhesion	ISO 2411	N/5cm	T / Warp>=30 Tr / Weft>=30
Bally Flexion	ISO 5402	Cycles	150000
Abrasion resistance (Martindale)	ISO 5470-2	Cycles	400000 grade 2
Colour fastness to rubbing (Crockmeter): dry/wet - 20 cycles	ISO 105-X12	Grey scale	4-5
Ethyl alcohol 96% vol. resistance	DIN 54021	Grey scale	4-5

Cleaning - Rub gently with a sponge or cloth moistened in a soapy water solution. Do not use multi-purpose products.

REMARKS

EDITION	REVISION
01. 12/03/2013	17. 07/10/2024

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Bleach resistance (4.5% chlorine)	DIN 54021	Grey scale	4-5
Oil Massage Resistance	---	Grey scale	4-5
Colour fastness to soiling: Sun cream	---	Grey scale	4
Low temperature resistance - Cold crack (-30°C)	DIN 53361	---	No crack
Colour fastness to saliva	DIN 53160-1	Grey scale	>=4
Resistance to artificial blood	---	Grey scale	>=4
Resistance ammoniac solution (urine)	---	Grey scale	>=4
Colour fastness to acid perspiration	ISO 105-E04	Grey scale	>=4
Colour fastness to alkaline perspiration	ISO 105-E04	Grey scale	>=4
Colour fastness to water	ISO 105-E01	Grey scale	4
Colour fastness to chlorinated water	ISO 105-E03	Grey scale	4
Colour fastness to sea water	ISO 105-E02	Grey scale	4

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Bacterial resistance	JIS Z 2801	---	Sanitized ®
Fungal resistance	ISO 846 A	---	Sanitized ®
Combustibility	FMVSS302	mm/min	<100
Burning behaviour EN 1021	EN 1021-1+2	---	Pass
Burning behaviour IMO 2010 FTP Code Part 8	IMO 2010 FTP Code Part 8	---	Pass
Burning Behaviour UNI 9175	UNI 9175	---	1.IM
Burning Behaviour R118: annex:6	Regulation No.118	---	Pass
Burning Behaviour R118: annex:7	Regulation No.118	---	Pass
Burning Behaviour R118: annex:8	Regulation No.118	---	Pass
Burning behaviour Far 25.853	Far 25.853 Appendix F, Part. 1, paragraph (a) (1) (ii)	---	Pass
Class of reaction to fire	NF P 92-507	---	M2
Fire resistance Cal. TB 117 – Section 1	California Technical Bulletin 117-section 1	---	Pass

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CHARACTERISTICS	METHODS	UNITS	RESULTS
Fire resistance NFPA 260 – 6.1	NFPA 260 – 6.1	---	Class I
Colour fastness to artificial weathering	ISO 105-B04	Blue scale	>=6
Light fastness	ISO 105-B02	Blue scale	>=6

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REMARKS

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