

XTREME

Specifiche Test Fisici *Physical Test specification*

Test	Standard	Limit
Weight	DIN EN ISO 2420	1.000 +/- 200 g/m ²
Thickness	DIN EN ISO 2589	1,2-1,5 mm
Tensile Strength	EN ISO 3376-2	≥ 90 N
Elongation at Break	EN ISO 3376-2	30-70 %
Tear Growth Resistance	EN ISO 3377-2	≥ 25 N
Stitch tear resistance	EN ISO 23910	≥ 50 N
Flexing endurance Dry	EN ISO 5402	100.000 no damage
Flexing endurance Cold	EN ISO 5402	10.000 no damage at -10°C
Adhesion of Finish	EN ISO 11644	≥ 5 N
Light fastness (Xénotest)	EN ISO 105- B06	≥ 6 Blue Scale 72 h at 45°C
Rub Fastness Dry	EN ISO11640	2.000 Cycles 4/5 Grey Scale
Rub Fastness Wet	EN ISO11640	500 Cycles ≥ 4 Grey Scale
Rub Fastness pH = 8 alcalic	EN ISO11640	100 Cycles ≥ 4 Grey Scale
Rub Fastness pH = 5,5 acidic	EN ISO11640	100 Cycles ≥ 4 Grey Scale
Rub Fastness Sea Water	EN ISO11640	100 Cycles ≥ 4 Grey Scale
Taber	EN ISO 17076	1000 Cycles (CS-10; 500g)
Abrasion Martindale	EN ISO 5470-2	No damage after 100.000 Cycles 12 kPa dry - wool
Fastness to water spotting	EN ISO 15700	≥ 3 (10 minutes)
Color deviation to Master sample	EN ISO 20105-A02	DE < 1
Dye Trough		Complete
Odor	VDA 270-C3	< 3 Grade
Dry Heat shrinkage	24h 60°C	< 5%

Test	Standard	Limit						
Resistance to Sea Water After 8 hours storage	EN ISO 105-E02	Change	Wo	PAC	OES	PA6.6	Co	CA
		5	5	5	5	5	4-5	5
Antimicrobial Activity after cleaning	JIS Z 2801:2000	Staphylococcus Aureus (MRSA) ATCC 33592						
	Sanitized® T25-25 Silver 10% Spray	Activity		Reduction in%		Evaluation		
		>4,60		>99,99		Very good effect		
Soling behavior	ISO 26082 EMPA 104	2-3 Grey scale 200 cycles 12 kPa						
Stain resistance 2 ml. of each of the products listed below shall be placed onto the surface of the leather. After 14 hours, any product that has not been absorbed is to be removed/wiped off using a neutral soap and water, and the result will be evaluated with reference to the grey scale.	Coffee	≥ 2 Grey Scale * depending of color						
	Red wind	≥ 2 Grey Scale * depending of color						
	Coca Cola	≥ 3 Grey Scale						
	Beer	≥ 3/4 Grey Scale						
	Oil	≥ 3/4 Grey Scale						
	Alcohol	≥ 3/4 Grey Scale						
Water Alcohol Test	3M-Method	Rating 9						
Oil Repellent Test	AATCC 118	Rating 7						
Urine resistance titv test	120 h 38°C 25% solution	After aging performed 20.000 flexes According DIN 53351 Result no cracks						
Blood resistance titv test	1 hour exposure 24 hours exposure	Cleanable without problems no change Cleanable without problems no change						
Staining	AATCC test method 130							
5 ml of the prescribed staining agent is applied. One set dwelling without weight, the other Set is covered with glassine paper and a 5 lb. weight to force penetration for 60 sec, after 24 hours cleaned with Xtreme Cleaning System, after samples have dried it is evaluated according AATCC test method 130 were Grade 5 = No staining . Remark: results may vary upon color tested								
Agent	Non Weighted Method (Rating after 24 hours)			Weighted Method (Rating after 24 hours)				
Blood	Grade 5			Grade 5				
Urine	Grade 5			Grade 5				
Coffee	Grade 4			Grade 4				
Betadine	Grade 4/5			Grade 4/5				