



PROTECTIVEWEAR FABRIC INFORMATION

FABRIC	K-FLAME PRO 175
FINISH	Inherently Flame Retardant
PRODUCT CODE	0357 1F



FABRIC CHARACTERISTICS		TEST METHOD	
BLEND	EN ISO 1833		48.5% Modacrylic 34% Cotton 17% Polyamide 0.5% Carbon Fiber
FINISHED WEIGHT	EN 12127		175 g/m ² -3/+5 %
YARN COUNT	EN ISO 2060/ISO 2947	warp weft	34 Nm 34 Nm
FINISHED CONSTRUCTION	EN 1049-2 / ISO 7211-2	warp weft	36 threads/Cm 21 threads/Cm
WEAVE	ISO 3572/UNI 8099		Plain
MINIMUM USABLE WIDTH	ISO 22198		150 cm

PHYSICAL PERFORMANCE	TEST METHOD	PRE-TREATMENT	RESULTS
TENSILE STRENGTH	ISO 13934 - 1		warp 800 N weft 400 N
PILLING MARTINDALE	ISO 12945-2, EMPA replicas, 5000 Rev	5x ISO 15797	3
SHRINKAGE IN WASHING	ISO 5077 + ISO 15797	5x 75°C	warp ±3,0% weft
TEAR STRENGTH	ISO 13937 - 2	5x ISO 15797	warp min 10 N weft min 10 N

COLOUR PERFORMANCE	TEST METHOD	RESULTS
RUBBING DRY	ISO 105 X12	4
WASHING	ISO 105 C06 D1S	colour change 3/4
	ISO 105 C06 D1S	colour staining Acrylic 3/4
	ISO 105 C06 D1S	colour staining Cotton/Polyamide 3/4
DRY CLEANING	ISO 105 D01	colour change 4
PERSPIRATION	ISO 105 E04	colour change 4
	ISO 105 E04	colour staining Acrylic 3/4
	ISO 105 E04	colour staining Cotton/Polyamide 3/4
LIGHT FASTNESS	ISO 105 B02	5

NOTES Colour performance results shown are average values. Dark and special colours may not meet figures quoted.

OTHER PERFORMANCES	NORM	PERFORMANCE LEVEL
FLAME RESISTANCE	ISO 14116	Index 3/5/1/75
HEAT AND FLAME RESISTANCE	EN ISO 11612	A1 B1 C1
ANTISTATIC BEHAVIOUR	EN 1149-5 (EN 1149-3 mth2)	t50<4 sec, S>0.2
ELECTRIC ARC	IEC 61482-2	APC1 (4 kA)
ELECTRIC ARC	ASTM F1959	ATPV=6,0 cal/cm ² / Elim=4,8 cal/cm ²
UPF UV		50+

CARE LABELING - Domestic wash QUALIFICATION SYMBOL - Industrial laundering

For more details see Klopman washing recommendation



NOTES

- Professional laundry processing of protective clothing recommended.
- Pre-treatment for certification compliance according to ISO 15797 4.2 A
- Characteristic may vary within commercial tolerances.
- For any fabric performances not described, please verify before use or consult your Klopman representative.
- Progressive shrinkage will occur in use.



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