

439

Opti-Syn 160




FABRIC DESCRIPTION

COMPOSITION	33% Aramid, 32% Modacrylic 23% Tencel, 10% Polyamide, 2% Antistatic
WEIGHT (g/m ²)	160
WIDTH (cm)	160
CONSTRUCTION	2/1-3/1
AVAILABLE FINISHES	Natural Finish, Water Repellant Finish or Wicking Finish

PROTECTION LEVEL

TEST METHOD

RESULT

 HEAT AND FLAME PROTECTION	ISO 11612	A1, A2, B1, C1, F1
 ELECTROSTATIC PROTECTION	EN 1149-3 & EN 1149-5	PASS
 ELECTRIC ARC PROTECTION (BOX TEST)	IEC 61482-2	APC 1 (4 kA)

DETAILED PROPERTIES

TEST METHOD

RESULT

DIMENSIONAL CHANGE AFTER WASHING	EN ISO 5077	≤3 %
HEAT RESISTANCE 180 °C	ISO 17493	PASS
TENSILE STRENGTH	EN ISO 13934-1	Warp 450 N Weft 450 N
TEAR STRENGTH	EN ISO 13937-2	Warp 15 N Weft 15 N
FLAMMABILITY	EN ISO 14116	Index 3
LIQUID CHEMICALS	EN 13938-2	PASS (with water repellent finish)
DETERMINATION OF FORBIDDEN AZO COLORANTS	EN ISO 14362-1	PASS
COLOUR FASTNESS TO WASHING	EN ISO 105-C06 Met.C1S (40 °C)	4-5
COLOUR FASTNESS TO DRY CLEANING	EN ISO 105-D01	4-5
COLOUR FASTNESS TO RUBBING	EN ISO 105-X12	Dry: 4-5 Wet: 3
COLOUR FASTNESS TO PERSPIRATION	EN ISO 105-E04	Acid: 4-5 Alkaline: 4-5
DETERMINATION OF PH VALUE	EN ISO 3071	3,5-9,5
PILLING RESISTANCE (2000 RUBS)	EN ISO 12945-2	4

CLEANING INSTRUCTION



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