Flame Retardant fabric for FR-clothing

THOR-270

60% MODACRYLIC / 38% COTTON / 2% AS

270 GSM / TWILL 2/1

Fabric name	Thor-270
Fabric weight	270 ± 10 gsm
Composition	60% Modacrylic, 38% Cotton, 2% AS
Full width	152 ± 2 cm
Weave	Twill 2/1
Finishes	FR
Application	FR-clothing
Washing instruction	60

FR & SPECIAL PROPERTIES

Flame retardant	EN ISO 11612 (A1, A2, B1, C1, E1, F1)	50×60°C ISO 6330
	EN ISO 11611 (Class 1)	50×60°C ISO 6330
Antistatic	EN 1149-5	50×60°C ISO 6330
Hi-Vis	EN ISO 20471	50×60°C ISO 6330

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	ISO 13934-1:1999	884	612
Tearing strength, N	ISO 13937-2:2000	21	19
Dimensional Stability To Washing, max	ISO 6330	≤3%	
Abrasion Resistance	ISO 12947-2:1999	N/A	
Pilling Resistance	ISO 12945-2:2001	N/A	

COLOUR FASTNESS

			Light	Mid	Dark	Special colors
			Orange, Yellow, Red	Green, Grey, Royal Box	Dark Navy, Navy, Royal Blue	Hi-Vis Yellow
Wash Fastness Method E2S (95°C)	ISO 105-C06	Colour Change	n/a	n/a	n/a	4-5
		Stain on Polyester	n/a	n/a	n/a	4-5
Rub Fastness	ISO 105-X12:1995	Wet	n/a	n/a	n/a	4
		Dry	n/a	n/a	n/a	5
Light Fastness	ISO 105-B02		n/a	n/a	n/a	n/a

*** Tested in a non-accredited laboratory.** * N/A - not applicable. www.xmtextiles.com

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