



Flame Retardant fabric for FR-clothing

MADEIRA-320 AS

99% COTTON / 1% AS

320 GSM / TWILL 3/1



Fabric name	Madeira-320 AS
Fabric weight	320 ±10 gsm
Composition	99% Cotton / 1% AS
Full width	152 ±2 cm
Weave	Twill 3/1
Finishes	Flame Retardant
Application	Welders jackets, trousers and coveralls
Washing instruction	

FR & SPECIAL PROPERTIES

Flame retardant	EN ISO 11612 A1 & A2, B1, C1, E3, F1	50×75°C ISO 15797
	EN ISO 11611 Class 1	50×75°C ISO 15797
	EN 20471 (Contrast)	5×60°C ISO 6330
Antistatic	EN 1149-5 (1149-3 method 2)	5×60°C ISO 6330

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	ISO 13934-1:1999	1500 N	800 N
Tearing strength, N	ISO 13937-2:2000	45 N	40 N
Dimensional Stability To Washing, max	ISO 5077-ISO 15797	3%	
Abrasion Resistance	ISO 12947-2:1999	26,500 rubs	
Pilling Resistance	ISO 12945-2:2001	3-4	

COLOUR FASTNESS

			Light	Mid	Dark	Special
			Orange, Yellow, Red	Green, Grey, Royal Box	Dark Navy, Navy, Royal Blue	Black
Wash Fastness Method E2S (95°C)	ISO 105-C06	Colour Change	4-5	4-5	4-5	4
		Stain on Polyester	4-5	4-5	4	4
		Stain on Cotton	4	4	4	3-4
Rub Fastness	ISO 105-X12	Wet	3	3	2-3	2
		Dry	4	4	4	4
Light Fastness	ISO 105-B02		3	4	4	4