



MODERN. AGILE. ROBUST. SUSTAINABLE

Technical Data Sheet

Quality No: IDCEA (HJCCG-FR)

Fabric Description

Fiber Blend	100% Cotton
Weight	230 ± 5% g/m ² (7.1 ± 5% Oz/Yd ²)
Weave	2/1 LHT
Finish	Flame Retardant
Full width	150 cm

Physical Properties

Construction	EPI PPI	100 52	ASTM D 3775-03a
Tear Strength (N)	Warp Weft	19 19	ISO 13937-2 Trouser shape
Tensile Strength (N)	Warp Weft	850 380	ISO 13934-1 (Ravelled Strip)
% Shrinkage (After 5HL)	Warp Weft	-3.0 -3.0	ISO 6330:2000-2A Temp 60°C
Seam Slippage (N)	Warp Weft	>110 >110	ISO 13936-1
Color Fastness			
To Washing Color change		3-4 4	ISO 105 C-06
To Water Color change		4 4	ISO 105 E-01
To Crocking	Dry	4	ISO 105 X-12
	Wet	3	
pH		6 – 8	ISO 3071

Functional Properties

Flame Resistance	EN ISO 11612:2008 A1,A2,B1,C1
Electric Arc	EN 61482 class 1 (4Ka)

The data quoted is based upon specific materials and tested by source believed to be reliable and Mars make no guarantee, express or implied as to use, handling or possession of its products. There may be small difference between the American Standard, British Standard, and the ISO test methods quoted but they are same in all major respects.