



AlsicoTM

More than Workwear

TECHNICAL DATA SHEET

**GUARANTEED FLAME
RETARDANT FOR THE
LIFE OF THE GARMENT**

Quality: Phoenix

Fabric Description

Composition: 100% cotton
Usable Width: 150 cm
Nominal Length: 100 m
Weave: 3/1 twill
Ends And Picks Per 2.5 cm: 87 X 46 Nominal
Thread Count: 12's X 10's Ne
(20's X 17's Nm)
Fabric Weight: 340 g/m²
Application: FR workwear

Washing Instructions



*Do not bleach, do not boil, do not
use soap based products. Only use
detergents*

Physical Properties (min) Warp Weft

Tensile Strength: (BS EN ISO 13934-1:1999)	1250 N	700 N
Tear Strength: Mean of Maxima (BS EN ISO 13937-3:2000)	40 N	40 N
Tear Strength: Mean of Mean (BS EN ISO 13937-3:2000)	30 N	30 N
Washing Shrinkage * (max): (ISO 15797 after 5 washes @ 75°C)	3%	3%
Heat Shrinkage (max): (DEF STAN 83-65/4 160°C)	N/A	N/A
Abrasion Resistance: (9kPa) (BS EN ISO 12947-2:1999)	20,000 rubs	
Pilling Resistance: (BS EN ISO 12945-2:2001)	N/A	

*Progressive shrinkage may occur.
Take care with garment sizing.

Other Properties

Flame Retardancy to:

EN ISO 11611:2015
EN ISO 11612 A1&2, B1, C1, E1, F1
EN ISO 14116 index 3/50/75

Colour Fastness

		Pale	Mid	Dark
Wash Fastness				
BS EN ISO 105-C06: Method E2S (95°C)	Colour Change Stain on polyester Stain on cotton	4-5 4 4	4 3-4 3-4	4 3 2-3
Dry Clean Fastness	Colour Change	4-5	4	4
BS EN ISO D01				
Perspiration Fastness				
BS EN ISO 105-E04: Acid / Alkali	Colour Change Polyester and Staining Cotton	4-5 4	4-5 3-4	4-5 3
Rub Fastness				
BS EN ISO 105-X12:1995	Wet Dry	3-4 4-5	3 4	2 3-4
Light Fastness		4	4	4
BS EN 20105/ISO 105-B02				

High Visibility

EN ISO 20471:2013
HV Yellow - predicted

Contrast

Black	48362 Royal	48130
Bottle	48105 Grey	48370
Navy	48179	

These values are for guidance only, some colours will be better others worse

Please contact your Alsico representative for specific shade details

The data quoted is based upon specific materials and tested by sources believed to be reliable and Alsico make no guarantee, express or implied as to use, handling or possession of its products.

N.B. Although there may be small differences between the British Standard and the ISO test method quoted, they are the same in all major respects.

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