



STANDARD WORKWEAR FABRICS

ASTRA 2004 · 195 g/m² · 19.9/80.1

COMPOSITION	19.9% cotton / 80.1% polyester (±1)
WEIGHT	195 g/m ²
WIDTH	150 cm
WEAVE	Twill
APPLICATIONS	Workwear — trousers, jackets, coveralls

LABORATORY-TESTED PERFORMANCE

PROPERTY	METHOD (EN / ISO)	RESULT	REQUIREMENT [†]
Fibre composition	BG textile labelling ordinance № 114/2006	19.9% cotton / 80.1% polyester (±1)	—
Mass per unit area	EN 12127:2000 (ISO 3801)	212 g/m² · V 0.5%	—
Breaking force — warp	EN ISO 13934-1:2013	132 daN · V 3.6%	min. 80 daN
Breaking force — weft		65 daN · V 2.3%	min. 55 daN
Dimensional change, washing 60 °C	EN ISO 6330 / 5077 / 3759	warp -1.0% · weft -1.0%	max. ±3.0%
Colour fastness to washing 60 °C — colour change	EN ISO 105-C06:2010	5	min. 4
— staining of 6 adjacent fibres‡		5 / 5 / 4-5 / 5 / 5 / 5	min. 3-4

Accredited test report № 33503 / 12.01.2024 — Laboratory for Textiles and Dyes, University of Chemical Technology and Metallurgy, Sofia; accredited to EN ISO/IEC 17025 by BAS (EA MLA member), certificate № 141 LI valid until 29.07.2026. Tested specimen: dark blue (navy) colourway, woven face fabric. Test conditions: 21 °C / 64% RH; washing per EN ISO 6330:2022, 25 steel balls. † Requirements per БДC 332:1983 (breaking force), БДC EN 13688:2013 (dimensional change), БДC 5428:1984 (colour fastness). Colour-fastness grades on the 1-5 grey scale (5 = best); ‡ staining grades listed in the order acetate / bleached cotton / polyamide / polyester / acrylic / wool. V — coefficient of variation between individual measurements. Bulgarian БДC EN (ISO) designations are the national adoptions of the corresponding EN / ISO standards.

Typical production values; accredited test data above refers to the tested specimen. For samples, stock availability and colour cards, contact our sales team. Generated from Astra's product database; valid without signature.

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