

# Optima-190

80% POLYESTER / 20% COTTON

190+ GSM / TWILL 3/1



Fabric name	Optima-190
Fabric weight	190 gsm $\pm$ 3%
Composition	80% Polyester, 20% Cotton
Full width	150 cm
Weave	twill 3/1
Finishes	—
Area of use	men's and women's workwear and uniform
Washing instruction	

## Physical properties

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1300	720
2	Tearing strength, N	ISO 13937-3:2000	29	27
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	>20 000	
5	Pilling Resistance	ISO 12945-2:2000	4	
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010		
	Colour change	ISO 105-C06:2010	4-5	
	Colour staining	ISO 105-C06:2010	3-4	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013		
	Colour change		4-5	
	Colour staining		4-5	
8	Colour Fastness To Rubbing, min.	ISO 105-X12:2001		
	Dry		3-4	
	Wet		3	
9	Colour Fastness To Light	ISO 105-B02:2013	> 4	