



Upholstery fabric | Woven fabric | according to DIN EN 14465:2006

Categories of material properties

Property	Test method	Unit	Category				
			A	B	C	D	E
tensile strength ^a	DIN EN ISO 13934-1	N	> 600	≥ 400	≥ 350	≥ 250	
tear growth resistance ^a	DIN EN ISO 13937-3	N	≥ 40	≥ 30	≥ 25	≥ 20	≥ 15
resistance to seam slippage ^a	DIN EN ISO 13936-2	mm	≤ 4	≤ 6	≤ 8		
abrasion test	DIN EN ISO 12947-1,2 - flat woven fabric - candlewick - knitted fabrics - cut pile fabric - uncut pile fabric - flock fabric - bonded fibre fabric - brushed fabric	cycles	≥ 35.000 ≥ 35.000 ≥ 35.000 ≥ 45.000 ≥ 45.000 ≥ 45.000 ≥ 45.000 ≥ 45.000 ≥ 35.000	12-30.000 12-30.000 12-30.000 25-40.000 25-40.000 25-40.000 25-40.000 25-40.000 12-30.000	4-10.000 4-10.000 4-10.000 10-20.000 10-20.000 10-20.000 10-20.000 10-20.000 4-10.000		
pilling test ^b	DIN EN ISO 12945-2 after 2.000 cycles	grade 1-5	≥ 4-5	4	3-4	3	
fastness to light ^c	DIN EN ISO 105-B02 (method 2) ^d	grade 1-8	≥ 6	5	4		
fastness to rubbing (dry)	DIN EN ISO 105-X12	grade 1-5	≥ 4-5	4	3-4		
fastness to rubbing (wet)	DIN EN ISO 105-X12	grade 1-5	≥ 3-4	3	2-3		

comments

^a testing for all fabrics, excluding knitted and bonded fibre fabrics.

^b this property must be specified for flat woven fabric, mesh fabric (without pile), loop pile fabrics and unwoven fabrics; a standard wool abrasion fabric (as described in EN ISO 12947-1) must be used and the category must be specified after 2000 cycles, with the testing continued up to 5000 abrasion cycles and classification (on a scale of 1 to 5) stated at this point. The test findings are purely informative in nature.

^c tolerance value of 0.5 fastness grades for bright colour samples.

^d method 3 is permitted for quality control purposes.