

PRODUCTS THAT ARE NOT IN THE SCOPE OF THE STANDARD

1. Textile products for construction use such as geotextiles, water proof linoleum ground cloth, etc.
2. Industrial textile products such as papermaking blanketry, awning cloth, filtrate cloth, and insulated textiles, etc.
3. Agricultural textile products such as soil-less cultivation ground cloth, etc.
4. Special protection products such as gas proof, radiation proof, high temperature endurance products, etc.
5. String and net products such as fishing net, cables, and climbing cables, etc.
6. Packaging products such as sacking and parcel packaging, etc.
7. Medical products such as medicated gauze and bandages, etc.
8. Cloth handcrafted or soft toys
9. Cloth handcrafted products
10. Outdoor products such as cloth for advertising light boxes, awning cloths and tents, etc.
11. Sanitary products that are disposable in nature
12. Umbrellas, shoes, suitcases or backpacks, etc.
13. Carpets

TECHNICAL REQUIREMENT

ITEM	TESTING METHOD	Category A	Category B	Category C
Formaldehyde content (mg/kg) ≤	GB/T 2912.1	20	75	300
pH Value ^a	GB/T 7573	4.0 - 7.5	4.0 - 8.5	4.0 - 9.0
Colourfastness ^b (grade) ≥				
Water	colour change, stain	GB/T 5713	3 - 4	3
Acid Perspiration	colour change, stain	GB/T 3922	3 - 4	3
Alkaline Perspiration	colour change, stain	GB/T 3922	3 - 4	3
Dry Rubbing		GB/T 3920	4	3
Saliva	colour change, stain	GB/T 18886	4	-
Odour	GB 18401 6.7	None		
Cleavable carcinogenic arylamines AZO dye ^c (mg/kg)	GB/T 17592 GB/T 23344	Forbidden		
Remarks:				
^a The pH value can be adjusted to 4.0~10.5 for non-end products that must undergo wet processing in further processing procedures.				
^b Not applicable to: non-end products that must undergo washing and fading processes, products that are of original colour or bleached products; traditional handcrafted products such as tie dyed or wax printed products. Only infants products need to be tested for colourfastness to saliva.				
^c Please see standard's appendix for list of Cleavable carcinogenic arylamines, limit value: ≤ 20 mg/kg.				

- Textile products for infants should comply with requirements in category A;
- Products in direct contact with skin should at least comply with requirements in category B;
- Products not in direct contact with skin should at least comply with requirements in category C.

The main technical differences between GB 18401-20010 and GB 18401-2003 are listed below:

- Adjusted the scope of standard, deleted "Use", retained "manufacture" and "sale" of textile products in China, also added "household textile products" in the standard scope;
- The definition of infant age has been altered from 24 months to 36 months, and the products normally suitable for infants of the height has been changed from 80cm to 100cm;
- The pH requirement of textile products which need to meet Category B has been changed from 4.0~7.5 to 4.0~8.5;
- '4-Aminoazobenzene' has been added to the list of cleavable carcinogenic arylamines in appendix C, there are 24 forbidden carcinogenic arylamines totally;
- Appendix D <Sampling guideline> has been added for reference;
- Add the note that the hanging products, such as curtains, will be exempted from testing requirement of colourfastness to perspiration;
- Adjusted some examples for textile product categorisations in Appendix B, and revised Appendix A to add and revise more textile products examples not included in the scope of this Standard.

With our well-developed laboratories and experienced textile and footwear specialists, SGS offers total solutions to ensure your apparel products fulfill the requirements of the Chinese national standards. Being a strategic partner for your business success, we look forward to offering you premium testing, consultancy and training services to help you overcome the challenges ahead.

CONTACT US

HONG KONG

Phone : (852) 2334 4481

Email : mktg.hk@sgs.com

CHINESE MAINLAND

Phone : (86) 21- 61402666

Email : softline.cn@sgs.com