Sections



GB/T 38880-2020

This standard is applicable to masks for children of age 6

GB/T 38880-2020 *Technical Specifications of Children Mask* Effective as of May 6th, 2020 for China Market

GB/T 32610-2016

This standard is primarily applicable to masks for daily use under air pollution for

China has standards stipulating the requirements of particulate filtration masks (PPE) and medical masks (medical devices). GB 2626-2006 (2019 version would be effective Jul 2020) and GB/T 32610-2016 are the two standards defining the requirements of particulate filtration masks. However, GB 2626 is more applicable to industrial masks with face pieces, while GB/T 32610 is not applicable to children masks. Due to the coronavirus outbreak, numerous associate standards (China standards with prefix "T/") have been published in very short time to address the urgent need of equipment for better protection, but adopting these associate standards need the approval or acknowledgement of the professional or trade associations which publish the standards. In view of the urgent need of addressing children masks requirement in China, GB/T 38880-2020 was published on May 6th, 2020 and being effective immediately. This is a China industrial standard defining the requirements of children masks that can help to filter airborne microbial and pollens. **Below is a summary and comparison of GB/T 32610-2016 and GB/T 38880-2020**.

Scope	This standard is no emergency and fire e for specialized breath to infants and childre	scapes, medical use, ng protective equipme	of conditions that call				
Classification	Class A: for very heavy air pollution	Class B: for very heavy or below air pollution	Class C: for heavy or below air pollution	Class D: for moderate or below air pollution	Class F: for protective purpose	Class W: for hygienic purpose	
Raw materials and basic construction requirements	Shall securely cover n	nouth and nose.	Shall securely cover mouth, nose and lower chin. No peculiar odor and not blocking normal visibility.				
	Raw materials shall substances being to allergy or poor rea standards. No peculia	kic, carcinogenic or ction. Any restrictive	Raw materials shall not be recovered from used materials, shall not cause skin allergy or poor reaction. Shall not use bleached materials. Any restrictive substances shall comply with related standards. Materials used shall sustain normal use of the masks without being broken or deformed during the usage period.				
	Masks shall not have person wearing the m		Masks shall not have accessible sharp point and sharp edge.				
	Masks shall be easy effect or painful sensa		Masks shall be easy to be worn or taken off, and not causing obvious pressurized effect or painful sensation, with little effect on free movement at the head. Masks shall not use straps secured by tying, shall use adjustable straps. Masks shall have nose bridge made of pliable material. If the masks are equipped with breathing valve, any internal parts of the valve shall not be detached when the masks are normally used.				
Appearance	The surface of the ma		No exposed metal parts. The surface of the mask shall not be broken, with oil stains or spots, with deformation or any obvious defects. Inner layer of mask that have direct skin contact shall not have printing or being dyed.				
Intrinsic requirement	nts						
Parameters	GB/T 32610-2016				GB/T 38880-2020		
Colorfastness to dry/wet rubbing	≥ 4 (only applied to printed/dyed parts)				≥ 4 (only applied to printed/dyed parts)		
Formaldehyde content	≤ 20 mg/kg				≤ 20 mg/kg		
рН	4 - 8.5				4 - 7.5		
Cleavable carcinogenic (azo)dyes	Banned (≤ 20 mg/kg) (only applied to printed/dyed parts)				Banned (≤ 20 mg/kg) (only applied to printed/dyed parts)		
Ethylene oxide (EO) residue	≤	10 ug/g (only applied	to EO sterilized masks	≤ 2 ug/g			
Migration of optical brightener		-		Not detected			
Length of nose bridge		-			≥ 5.5 cm (only applied to masks with nose bridge)		
Nose bridge flex resistance		-	Shall not be broken (only applied to masks with nose bridge)				

Intri	nsic requirement	s (continued)							
	Parameters		GB/T 3		GB/T 38880-2020				
	ask Classification	Class A: Class B: Class C:				Class D:	Class F:	Class W:	
	halation pressure resistance		≤ ′	175 Pa	≤ 45 Pa	-			
Ex	chalation pressure ≤ 145 Pa						≤ 45 Pa	-	
	fferential pressure			-		-	≤ 30 Pa		
and betw	ile strength of straps attachment strength veen strap and mask body ≥ 20 N						≥ 15 N ≥ 10 N		
	reathing valve Shall not be slipped off, broken or deformed detachment (only applied to masks with breathing valve)						Shall not be slipped off, broken or deformed (only applied to masks with breathing valve)		
Mas	Mask downside visibility ≥ 60°						-		
	Flammability			-			Burning time ≤ 5 s		
	Coliform		Not	detected			Not detected		
iness	Pseudomonas aeruginosa		Not	detected		Not detected			
Clean	Staphylococcus aureus		Not	detected	Not detected				
Microbial Cleanliness	Hemolytic Streptococcus			detected		Not detected			
ğ	Total fungal count			0 CFU/g		≤ 100 CFU/g			
	Total plate count	(===)	≤ 20	0 CFU/g			≤ 200	CFU/g	
	iculate filtration e	efficiency (PFE)	GR/T 3	2610-2016			GB/T 388	180-2020	
	ask Classification	Class A:	Class B:	Class C:		Class D:	Class F:	Class W:	
	articulate filtration	Type II or above	Type III or above	Type III or abo	ove Typ	oe III or above			
	efficiency (PFE)	Type I		Type II		ype III	See below	See below	
	laCl particulates				95% ≥ 90%		≥ 95%	≥ 90%	
	(DOP) particulates	≥ 99%		≥ 95%		≥ 80%	-	-	
	Parameters	renectiveness	GB/T 3	2610-2016			GB/T 388	880-2020	
	ask Classification	Class A:	Class B:	Class C:		Class D:	Class F:	Class W:	
Pa	rticulate protection effectiveness	≥ 95%	≥ 85%	≥ 75%		≥ 65%	≥ 90% (NaCl particulates only)	-	
	terial filtration eff	iciency (BFE)							
	Parameters ask Classification	Class A:	GB/T 3 Class B:	2610-2016 Class C:		Class D:	GB/T 38880-2020 Class F: Class W:		
	Bacterial filtration						Cidss F.		
	efficiency (BFE)	-	-	-		-	-	≥ 95%	
	eling requirement	Producer name and Product name Major materials (inne Executed standard r Mask protection clas Specification (S, M, Use instruction (wea Manufacturing date,	er, outer, filtration layer number ss	, matters) ours) per use, validit	Producer name and address Product name Major materials Executed standard number Mask protection class (Protection (F) or Hygiene (W)) Specification (S, M, L) Use instruction (wear instruction, warnings) Manufacturing date, recommended time (hours) per use, validity period If masks have been sterilized, identify sterilization process				
	Warning	As needed			Children suffer from breathing difficulties are not suggested to wear masks, either following medical advice or wear other suitable breathing protection equipment. Remove any mask packaging and other items not related to the mask readily when wearing the mask. Children shall wear masks under adult supervision, of which paying attention to and educating children the proper way of wearing masks. Children shall not horseplay or perform moderate and above intensity level exercises when wearing masks. Shall not disassembly any breathing valve. If experiencing any breathing discomfort, skin allergy symptoms, shall remove the mask and seek medical attention. Keep mask dry and avoid wetted during use, change as needed. Not suggest to repeat using the mask by washing. Not to exchange used masks with others.				

How Does this Impact You? Contact Us to Discuss

Any comments and/or questions please contact your local customer service representative or email to:

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May 2020, Bulletin 20B-021