

## Washable Textile Face Coverings Specification

### 1) Scope

- a) This specification is intended to be used for washable textile face coverings to be used by the general public whilst in enclosed public places such as using public transport or visiting shops. This specification is **not** applicable for children under the age of 24 months.

**WARNING – THIS SPECIFICATION IS NOT FOR FACE MASKS INTENDED TO BE USED IN A MEDICAL/SURGICAL ENVIRONMENT NOR IS IT TO BE USED FOR MASKS THAT INTENDED TO PROTECT THE WEARER FROM INFECTIVE AGENTS.**

**FACE COVERINGS ARE NOT A REPLACEMENT FOR SOCIAL DISTANCING AND REGULAR HAND WASHING**

### 2) Usage/design

- a) The face covering should cover the mouth and nose.
- b) Hands should be thoroughly washed or sanitised before donning and doffing the face covering.
- c) Children under 7 should be supervised during use,
- d) The face covering should;
  - i) fit snugly against the face,
  - ii) be secured with ties or ear loops, (must lie flat to the face when worn)
  - iii) include at least 2 layers of fabric,
  - iv) allow for breathing without restriction,
  - v) be capable of being cleansed without damage or restriction to the usage,
  - vi) not be dry cleaned.

- 3) Performance and chemical requirements, where applicable, shall be in accordance with ITS-UK-001 Face Covering specification.

### 4) Labelling

- a) The product markings shall be permanent, legible and durable and shall include;
  - i) Declaration of the fibre composition (EU 1007/2011)
  - ii) Care instructions including the instruction “Do not dry clean” Symbols may be used in accordance with ISO 3758.
  - iii) Size or indication of the age that the product is suitable for.
  - iv) Name and address of the UK manufacturer, UK brand or UK importer.
  - v) Product identification
  - vi) The statement “Not to be used in replacement or in substitute of PPE”

ITS-UK-001		
Attribute	Test Method/ Standard	Requirement/ Limit
<b>Fibre Content Test</b>		
† Fibre content	EU regulation No. 1007/2011 EN ISO 1833	Single : no tolerance - Blends: +/-3%
<b>Material Performance test</b>		
Product weight (if claimed)	Standard Measurement	+/-5%
Tensile Strength (for woven)	ISO 13934-2(1-inch grab test)	12kg min.
Tearing Strength (for woven)	ISO 13937-1(Elmendorf)	700g min.
Seam Slippage/Strength(for woven) Optional for hem seams	ISO 13936-1 ISO 13935-2	6mm Slippage – 7kg min. Strength – 10kg min.
Bursting Strength (for knit)	ISO 13938-1 or 2 (30.5mm)	For <135 g/m2 -- Fabric/Seam:200 kPa  For >135 g/m2 -- Fabric/Seam 250 kPa
Breathability (Air Permeability)	ISO 9237	Min 96 l/m2/sec under a pressure of 100 Pa Before and After 5 Washes
Strength Properties at Joining Area / Band Area	IHTM012	50 N No damage observed or detachment of the band
<b>Care Label Tests</b>		
Dimensional Stability to Washing (1x and 5x)	ISO 5077 ISO 6330 ISO 3759	Test as per care label Woven: -/+3.0% Knit: -/+ 5%
Appearance after Wash (1x and 5x)	IHTM 007	Test as per care label Dry as per label Satisfactory
<b>Colour Fastness</b>		

Colour Fastness to Washing	ISO 105 C06	Test as per care label Colour change:4 min Colour staining:4 min Cross Staining 4-5 min
Colour Fastness to Rubbing (except white and cream colour)	ISO 105 X12	Dry: 4 min.Wet: 3 min.
Colour Fastness to Light	ISO 105 B02 A1 Cycle Method 2	BWS – 4 Colour change: Grade 4
Colour Fastness to Perspiration	ISO 105 E04	Colour change: 4 min. Colour staining: 3-4 min. Self-staining: 4-5 min.
Colour Fastness to Water	ISO 105 E01	Colour change: 4 min. Colour staining: 3-4 min. Self-staining: 4-5 min.
Colour Fastness to Bleaching (Hypochlorite)	ISO 105 N01	Colour change: 4 min.
Domestic Laundering with Oxidative Bleach	ISO 105 C09	Colour change: 4 min.
<b>Chemical test</b>		
† Azo Dyes ( 22 amines)	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 43 EN 14362-1 EN 14362-2	< 30 mg/kg (Textile and Leather)
† Cadmium	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 23	< 100 mg/kg ( plastic ) < 1000 mg/kg ( surface coating )
† Dimethyl fumarate (DMFu)	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 61	< 0.1 mg/kg
† Lead	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 63	< 500 mg/kg Or Lead release < 0.05 µg/cm <sup>2</sup> /h (for article or accessible parts thereof may, during normal or reasonably foreseeable conditions of use, be placed in the mouth by children)
† Nonylphenol Ethoxylates (NPEOs)	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 46a	NPEO <0.01% in textile article (effective Feb 2021)

† Organotin	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 20	All tri-substituted organotin compounds including (TBT and TPhT) – 0.1% by weight of tin -Dibutyltin (DBT) - 0.1% by weight of tin -Dioctyltin (DOT) - 0.1% by weight of tin
† Phthalates (4P)	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 51	0.1% in individually or in total (DEHP, DBP, BBP, DIBP) in all articles (effective 7 July 2020)
† Polycyclic Aromatic Hydrocarbons (PAHs) (8 PAHs)	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 50	≤1 mg/kg each PAH (General) ≤ 0.5 mg/kg each PAH (Toys/childcare articles)
† Short Chain Chlorinated Paraffins (SCCPs)	EU POPs Regulation (EC) No. 850/2004	0.15% for articles
† Flame Retardants	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 4, 7, 8 (TEPA, TRIS, PBBs) EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 45 (OctaBDE) EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 64 (DecaBDE)	TRIS, TEPA, PBB: Not detected ( Textile ) OctaBDE : < 0.1% ( in substances, preparation, article ) DecaBDE: < 0.1% ( in substance, mixture, article ) – (effective 2 March 2019)
† Flame Retardants	EU POPs Regulation (EC) No. 850/2004 (TetraBDE, PentaBDE, HexaBDE, HeptaBDE, HBCDD)	TetraBDE, PentaBDE, HexaBDE, HeptaBDE: <10 mg/kg each  HBCDD: ≤ 100 mg/kg
† Perfluorooctane sulfonate (PFOS)	EU POPs Regulation (EC) No. 850/2004	< 1 µg/m <sup>2</sup> (textiles or other coated materials) < 0.1% for articles
† Substances of Very High Concern (SVHC)	REACH Regulation (EC) No 1907/2006 Article 33(1) And Article 31	< 0.1%
pH value	ISO 3071	5.0-8.0
Formaldehyde	ISO 14184-1	75 ppm max.
† 33 CMR substances	EU REACH Regulation (EC) No. 1907/2006 Annex XVII entry 72	Refer to REACH requirement (effective 1 Nov 2020)
† Heavy Metals in Packaging and Packaging Components	Directive 94/62/EC and its amendment	Total concentration of Lead (Pb), Cadmium (Cd), Mercury (Hg) and hexavalent

		Chromium (Cr) shall not exceed 100 ppm.
<b>Additional Tests for Children's Items</b>		
Mechanical Hazards of Attached Components	CEN/TR 16792	Must comply
† Mechanical Hazards	EN 71 part 1	No small parts, sharp points /sharp edges
Breakaway feature separation test	EN 71 part 1 Clause 8.38	Compliance
<b>Functional test</b>		
Water repellency Test if claimed	ISO 4920	min. Grade 4 (before and after wash)

† = Mandatory Requirement