

## List of medical textile products that can be tested at SITRA

Product	Test parameter	Standard
<b>SURGICAL GOWN</b>	Hydrostatic resistance	AATCC 127
	Viral penetration test	ASTM F 1671
	Bacterial filtration efficiency	ASTM F 2101
	Fabric particulars Threads/unit length Yarn count Weight/square metre	ASTM D 3775 ASTM D 1059 ASTM D 3776
	Tear strength woven Non-woven	ASTM D 1424 ASTM D 5734
	Tensile properties	ASTM D 5034
	Thickness	ASTM D 1777 IS 7702
	Stiffness	ASTM D 4032/BS 3356
	Pilling	IS 10971
	Co efficient of drape Woven Non-woven	BS 5058 ASTM D 1388
	Air permeability	ASTM D 737
	Blood repellency	AATCC 22
	Bursting strength	IS 1966
	Flammability	IS 11871
	Antibacterial activity assessment (Qualitative)	AATCC 147
	Antibacterial activity assessment (Quantitative)	AATCC 100
	Resistance to microbial penetration	-
	<b>SUTURES</b>	Tensile strength
Elongation		ASTM D 5250-00 e4
Knot strength		ISO 11193-1-2002
Creep test		-
Bending stiffness		-
Diameter		-

<b>Product</b>	<b>Test parameter</b>	<b>Standard</b>
<b>BED LINEN</b>	Fabric particulars Threads/unit length Yarn count Weight/square metre	ASTM D 3775-03,IS-1963-1981 ASTM D 1059-01 ASTM D 3776-96, IS 1964-2001
	Tensile strength	ASTM D 5035
	Tear strength	ASTM D 1424-96
	Fastness properties Light Rubbing Washing Perspiration	IS 2454,AATCC 16 IS 766, AATCC 8 AATCC 61 IS 790: AATCC 15
	Antibacterial activity assessment (Qualitative)	AATCC 147
	Antibacterial activity assessment (Quantitative)	AATCC 100
	Resistance to microbial penetration	-
	<b>MEDICAL GLOVES</b>	Tensile strength and elongation at break
<b>BABY DIAPER/NAPKIN</b>	Liquid strike through time	EDANA 150.5
	Wet back	EDANA 151.2-99
	Weight/unit area of non woven	ASTM D 3776
	Abrasion resistance	ASTM D 3885
	Thickness	ASTM D 1777
	Fibre identification	ASTM D 276 AATCC 20, IS 667
<b>FACE MASK</b>	Air permeability	ASTM D 737
	Bacterial filtration efficiency	ASTM F 2101-07

<b>Product</b>	<b>Test parameter</b>	<b>Standard</b>
<b>WOUND DRESSINGS/ BANDAGES</b>	Threads/unit length	ASTM D 3775
	Yarn count	ASTM D 1059
	Tensile properties	ASTM D 5035
	Weight/unit area Woven Non woven	
	Tear strength	ASTM D 1424-96
	Peel strength	
	Fibre identification	ASTM D 276 AATCC 20
	Thickness	ASTM D 1777
	Water repellency/Blood repellency	AATCC- 22
	Antibacterial activity assessment (Qualitative)	AATCC 147
	Antibacterial activity assessment (Quantitative)	AATCC 100
	Flammability	IS 11871
	Identification of foreign fibres	-
	Water soluble substances, Ether soluble	
	Presence of surfactants	
	Residual total dissolved solids	-
	Sulphate content	IS 4203
	Ash content	IS 199
	Presence of fluorescence	-
Absorbency	-	

<b>Product</b>	<b>Test parameter</b>	<b>Standard</b>
<b>INCONTINENCE PRODUCTS</b>	Thickness	ASTM D 1777 IS 7702
	Air permeability	ASTM D 737
	Tear strength woven Non-woven	ASTM D 1424 ASTM D 5734
	Weight/square metre	ASTM D 3776
	Hydrostatic resistance	AATCC 127
	Wet back	EDANA 151.2-99
	Flammability	IS 11871
	Antibacterial activity assessment (Qualitative)	AATCC 147
	Antibacterial activity assessment (Quantitative)	AATCC 100
	Antifungal evaluation	AATCC 30
	Wicking rate	-
<b>LIGAMENTS</b>	Strength and elasticity	-
<b>ADHESIVE LAMINATED PRODUCTS</b>	Peel strength	ASTM D 4917 ASTM D 3330 ISO 8295
<b>SURGICAL ADHESIVE TAPE</b>	Fibre identification Extensibility Breaking load Number of threads	- ASTM D 5035 IS 1969
<b>SURGICAL COTTON WADDING</b>	Absorbency	ASTM D 4772
	Antibacterial activity assessment (Qualitative)	AATCC 147
	Antibacterial activity assessment (Quantitative)	AATCC 100
<b>EYE PAD</b>	Absorbency	ASTM D 4772
	Seal integrity for poly pack	-

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