ANAGHA®
The ESD & Cleanroom Co.

CLEANROOM DISPOSABLE GARMENTS


Breathable


Non Linting


Anti Static


Type 5


Type 6

Features:

- Ergonomic protective design
- Light weight and Breathable
- Air & water vapour permeable for wearer comfort in variable working environments
- Exceptional tear resistant and tensile strength(ASTM D5034-09) for enhanced durability
- Sturdy abrasion resistance(ISO 12947-2:2016)
- Impervious barrier to microorganisms and fine particles(NWSP 70.1.R0. (15))
- Excellent synthetic blood penetration resistance(ASTM F 1670)
- Robust repellency of liquids (EN ISO 6530:2005)
- Substantial moisture vapour transmission resistance MVTR (ASTM E 96/96M:2005)
- Latex & Silicon free
- Secured tunnelized elastic wrist, ankle termination and back half of waist
- Low linting , Anti Static (EN 1149-1:2006)
- Optimised design for wearer comfort and protection
- Bounded seams for increased seam strength and better barrier from particulates
- Smooth storm flap covering the front one-way zipper
- Booties with fabric padding for wearer comfort

Fabric:

- High quality Microporous laminate material
- 63 GSM (ASTM D3776-09)

Colours:

- White
- Other colors on request

Design Availability:

- Integrated hood & booties (ANMP 909)
- Integrated hood & detatched booties (ANMP 910)
- Coverall with mandarian collar (ANMP 911)
- Coat / Frock with mandarian collar (ANMP 912)
- Headgear covering shoulder (ANMP 913)
- Boot covers / booties - 19" high (ANMP 914)
- Sleeves with thumb loops (ANMP 915)

Size:

- Std size S – 2XL

Applications:

- Pharmaceuticals
- Health care
- Controlled environments
- Biomedical
- Automotive
- Aerospace
- Chemical

Sterility:

- Non Sterile std. and Sterile EO on request

* Design customization is possible on request

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SPECIFICATIONS

PARAMETER	TEST METHOD	UNITS	AVERAGE	MAX RANGE	MIN RANGE
Basic Weight	ASTM D3776-09	GSM	59.6	63	57
MD Tensile Strength @ peak	ASTM 05034-09	Lbs	20.8	TBD	20.0
"CD Tensile Strength @ peak"	ASTM D5034-09	Lbs	12.14	TBD	10.0
MD Elongation @ peak	ASTM D5034-09	%	67.1	130	25
CD Elongation @ peak	ASTM D5034-09	%	129	130	25
Air Permeability	NWSP 70.1.RO. (15)	l/m² /s @ 125pa	0.581	-	-
Trapezoidal Tear MD	ASTM D3787:2016	N	42.28	TBD	30
Trapezoidal Tear CD	ASTM D3787:2016	N	18.99	TBD	18
Moisture Vapour Transmission Rate	ASTM E96/96M: 2005	g/m² / day	4284.55	-	-
Hydro Head	NWSP 080.6.RO. (15)	Mm W.C	1270	-	-
Penetration by Synthetic Blood	ASTM F 1670	-	Pass	-	-

PARAMETER	TEST METHOD	UNITS	TEST RESULT	
			LIQUID	REPELLENCY IN %
Repellency of Liquids	*EN ISO 6530:2005	%	30% H2 SO4	98.75
			10% NaOH	98.5
			O-Xylene	89.71
			Butan-I OL	95.9
Resistance to penetrataion by liquids	*EN ISO 6530:2005	%	30% H2 SO4	0
			10% NaOH	0
			O-Xylene	6.9
			Butan-I OL	0
Abrasion Resistance	ISO 12947-2:2016	-	No hole formation observed after 2000 cycles	
Puncture Resistance	EN 863:2002	N	8.25	
Flex Cracking Resistance	ISO 7854:1997		No cracking and delamination observed upto 1,00,000 cycles	
Resistance to Blocking	BS EN 25978:1993 Temp: 70° C Time: 03 Hours	Rating	Face to face: 1 (No blocking) Back to back: 1 (Slight blocking) Back to face: 1 (No blocking) Separate without damage to surface on ligting of weight piece observed visually	
Resistance to ignition	EN 13274-4 Method 2		Melting and flaming debris observed maximum 66s after flame reched on top edge hole develops	
Electrical Resistance	EN 1149-1:2006		0.84×10^6	

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