

CleanMax[®] Cleanroom Garments

Property	Standard	Units	CleanMax [®] Clean Sterile
Basis Weight	ASTM D3776	Oz/yd ²	1.62
Thickness	ASTM D1777	mils	11
Bacterial Filtration Efficiency (3.0µm)	STP0014 Rev 07	%	99.999%
99.9%	STP0014 Rev 07	%	99.999%
Air Permeability	ASTM D737	CFM	0.56
Grab Tensile, MD ¹	ASTM D5034	lb _f	8.72
Grab Tensile, CD ²	ASTM D5034	lb _f	14.07
Hydrostatic Pressure	AATCC TM 127	cm H ₂ O	186
Surface Resistivity (55% RH)	EN1149-1:2006	ohms	1.81 X 10 ^{11*}
Flammability	16 CFR 1610		Class 1
Silicone	STP021 Rev 05		None Detected
Breaking Strength Strip Method	ASTM D 5034	lb _f Warp lb _f Filling	8 5
Tear Resistance Trapezoid Method	ASTM D1117	Length lbs Width lbs	8.8 4.7
Moisture Vapor Transmission Rate	ASTM E 96-80 73.4°F, 50%RH	WVT g/24hr.m ²	663.4
Wyzenbeek Abrasion MD ¹	ASTM D 4157	Cycles	5,000
Wyzenbeek Abrasion CD ²	ASTM D 4157	Cycles	15,000
Tabor Abrasion	ASTM D 3884	Cycles	96
Chemical Penetration Resistance	ASTM F 903	Premium Auto Paint 100%	Resistant
Chemical Penetration Resistance	ASTM F 903	Bleach 100%	Resistant
Chemical Penetration Resistance	ASTM F 903	Motor Oil 10W - 40	Resistant
Chemical Penetration Resistance	ASTM F 903	Round -Up Weed Killer 100%	Resistant
Chemical Penetration Resistance	ASTM F 903	Sodium Hydroxide 50%	Resistant
UV Protection		Rated UPF 35	Protection Category Very Good

Property	Standard	Units	CleanMax® Clean Sterile
Synthetic Blood Penetration	ASTM 1670	Time to Penetration (> 60 minutes)	Pass
Viral Penetration Resistance	ASTM F 1671	Time to Penetration (> 60 minutes)	Pass
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	Pressure in kPa	Pass – no strike through at 20kPa
Resistance to Penetration by Blood-borne Pathogens	ISO 16604	Pressure in kPa	Pass – no strike through at 20kPa
Resistance to Permeation of Chemotherapy Drugs	ASTM D6978	Minimum Breakthrough Time >240 minutes	Passed - Cisplatin Cyclophosphamide Cyclosporin A Doxorubicin Hydrochloride Etoposide (Toposar) Flourouracil Methotrexate Mitomycin C Paclitaxel

¹ MD=Machine Direction; ² CD=Cross Direction

CleanMax® fabric is MicroMax® NS

- Compatible in ISO Class 4-8 Cleanrooms
- IEST-RP-CC003 Category I Particle Cleanliness
- 10⁻⁶ Sterility Assurance Level

Coverall with hood CTL428CS	Coverall without hood CTL417CS
EN ISO 13688:2013	EN ISO 13688:2013
EN 13034:2005/A1:2009 (Type 6)	EN 13034:2005/A1:2009 (Type 6)
EN 1073-2:2002 (Excluding Clause 4.2 for puncture)	EN 14126:2003 (Type 6-B)
EN ISO 13982-1:2004 + A1:2010 (Type 5)	
EN 14126:2003 (Type 5-B; Type 6-B)	

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