



# FUSION® III- HP

*Phthalate Free, PVC Free, Halogen Free*

## TYPICAL PROPERTIES REPORT

PROPERTY		TEST METHOD	AVERAGE TEST RESULTS		DESCRIPTION
PHYSICAL PROPERTIES					
English	Metric		English	Metric	
Weight	oz. per sq. yd.      g/m <sup>2</sup>	ASTM D3776	6.5 oz. +/- 10 %	220 g +/- 10%	Lightweight, high performance
Flame Resistance		NFPA 702, Class 1	Pass		16 CFR Part 1632, Cal 117-2013 Sec. 1
Breaking Strength	lbs./in.      N/25 mm	ASTM D5034	W 160   F 105	W 711   F 467	Construction designed for ticking fabrics
Tear Strength	lbs.      N	ASTM D2261	W 10   F 10	W 44   F 44	Excellent tear strength
Hydrolytic Stability	PSI      kPa	QC-P-015	5 mins@5 PSI No leakage		Constructed with non-penetrable surface. Liquid body waste and hospital medicaments cannot penetrate
Water Vapor Permeance, Grams/hour sq. meter		ASTM E96-Water procedure BW	0.44		Engineered to provide optimum resistance to moisture vapor transmission for maintaining patient comfort
Irritation and Cytotoxicity		DIN EN ISO 109993-10 DIN EN ISO 10993-5	no skin irritation, non- cytotoxic		Engineered to be hypoallergenic and comfortable for the user
BIOLOGICAL PROPERTIES					
Antimicrobial to protect the fabric		ISO 22196	Pass		Resistant to organisms that degrade, stain or impart odors
ELECTRICAL PROPERTIES					
Surface Resistivity, OHMS/SQ		AATCC 76	<1.0 x 10e14		Permanent, not a surface treatment. Prevents build-up or retention of dangerous electrostatic charges

**FABRICATION:** Capable of being fabricated by stitching, ultrasonic welding (face to face) and/or cementing

**MAINTENANCE:** Only necessary to wipe down with mild soap suds, rinse with warm water, when soiled. Disinfection, if required, follow manufacturers' recommended instructions for disinfectant used.

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## LABORATORY REPORT

April 27, 2011

A representative sample of S/C FUSION III HP fabrics was tested by an independent laboratory for Irritation (DIN EN ISO 10993-10) and Cytotoxicity (DIN EN ISO 10993-5). The tested material did not cause any skin irritation under the selected test conditions (P.I.I.=0,0. With polar and apolar extracts).

A handwritten signature in black ink that reads "Stephanie Mummert".

**Stephanie Mummert**  
Quality Analyst  
Herculite Products, Inc.

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