



Description: HaloGuard AAMI IV Material

1. Performance Attributes

	Target	Minimum	Maximum	Unit	Test Method
1.1. Basis Wt (100mm×100mm test area)	58	55	--	gsm	ASTM D 3776
1.2. Tensile Strength MD (50mm sample width,100mm jaws separate and 300mm/min jaws speed)	-	65	--	N/5 cm	EN 29073-3
1.3 Elongation MD	-	35	--	%	EN 29073-3
1.4. Tensile Strength CD (50mm sample width,100mm jaws separate and 300mm/min jaws speed)	-	45	--	N/5 cm	EN 29073-3
1.5 Elongation CD	-	55	--	%	EN 29073-3
1.6. Hydrohead (100cm2 test area,60mbar/min water flow rate,read when 3 water drops appear)	-	180	--	cmH2O	AATCC 127
1.7 Leaking test (hold 2kg water for 12 hours)	no leaking				
1.8 water vapor transmission rate	1200	1000	--	g/m2/24hr	ASTM E96D
1.10 Biocompatibility					
Cytotoxicity	Pass				ISO 10993-5:1999
Skin Irritation	Pass				ISO 10993-10:2002
Skin Sensitization	Pass				ISO 10993-10:2002
1.11 Synthetic Blood Penetration	Pass				ASTM F1670
1.12 Viral Penetration	Pass				ASTM F1671