



Product Code –VG-4 (71104) Pre-Saturated Cleanroom Compatible Wipers

Physical Properties	Value	Procedure
Material Composition	Hydro entangled non-woven 55% polyester-45% cellulose blend	
Colour	White	
Basic Weight	68g/m ²	164/5061
Dry Tensile Machine Direction (MD)	4000N/m	164/5321
Dry Cross Direction (CD)	950N/m	164/5321
Wet Machine Direction (MD)	3040N/m	164/5325
Wet Cross Direction (CD)	730N/m	164/5325
Elmdorf Tear (MD)	4040N/m	164/5290
Dry elongation (MD)	20%	164/5321
Dry elongation (CD)	90%	164/5321
Absorbency Intrinsic Extrinsic Rate	5.0ml/g 340ml/m ² 6 secs	IES-RP-CC004.2
Chemical Compatibility	Contains no chemical binders and is not affected by most common solvents and chemicals	IES-RP-CC004.2
Wipers Fluid Content	Filtered to 0.2 Micron Denatured Ethanol (IMS) 70% De-Ionised Water 30%	MSDS sheet available
Extractables	Value	Procedure
Particles (>0.5um) (Biaxial Shake)	92 x 10 ⁶ /m ²	IES-RP-CC004.2
Fibres (>100um) (Biaxial Shake)	1.12 x 10 ⁶ /m ²	IES-RP-CC004.2
Non Volatile Residues Deionised Water Isopropyl Alcohol	0.09g/m ² 0.046g/m ²	IES-RP-CC004.2
Extractable Ions in Deionised Water Sodium (Na+) Potassium (K+) Calcium (Ca+) Magnesium (Mg+)	33ppm 3ppm 290ppm 88ppm	IES-RP-CC004.2
Packaging	Cleanroom packed Double bagged	
Sterility	Can be gamma irradiated with not less than 25kGy	