

FREE-SAT™ FS-NT1



FS-NT1-77, FS-NT1-77.99, FS-NT1-77.9010, FS-NT1-77.10, FS-NT1-99, FS-NT1-712, FS-NT1-712.50.18, FS-NT1-69ECO, SS-NT1-77, FS-NT1-912CB

Technical Data Sheet

Description

FREE-SAT NOVA-TECH™ cleanroom wipes are made from a hydroentangled non-woven material composed of 45% polyester and 55% cellulose and presaturated with isopropyl alcohol. These wipes are manufactured in a cleanroom environment and cleanroom packaged.



Performance Characteristics:

Test	Value
Basis Weight (g/m²)	68 gsm
Thickness	0.30 mm
Absorbency Rate & Capacity	
Absorbency Capacity (IEST-RP-CC004.3, Sec 8.1)	288 mL / m ²
Absorbency Rate (IEST-RP-CC004.3, Sec 8.2)	0.8 sec
Non-volatile Residue, NVR (IEST-RP-CC004.3, Sec 7.1.2)	
DI water extractant	0.091 mg/g
IPA extractant	0.431 mg/g
Releasable Particles	
LPC ≥ 0.5 µm (IEST-RP-CC004.3, Sec 6.1.4)	82.42 x 10 ⁶ counts/m ²
APC ≥ 0.5 µm (IEST-RP-CC003.2, Helmke drum@10rpm)	5.74 x 10 ³ counts/m ² /cfm
Ions (IEST-RP-CC004.3, Sec 7.2.2)	
Chloride (Cl)	0.0012 mg/g
Sulphate (SO ₄)	No detection
Sodium (Na)	No detection
Potassium (K)	No detection
Magnesium (Mg)	0.0500 mg/g
Calcium (Ca)	0.0660 mg/g
Organics by FTIR (IEST-RP-CC004.3, Sec 7.2.1)	No Silicone oil, Amide, DOP detected

Packaging:

SKU #	Size	Saturation	Wipes/Unit	Units/Case
FS-NT1-77	7" x 7"	70% IPA / 30% DI Water	100	12
FS-NT1-77.99	7" x 7"	99% IPA / 1% DI Water	100	12
FS-NT1-77.9010	7" x 7"	90% IPA / 10% DI Water	100	12
FS-NT1-77.10	7" x 7"	10% IPA / 90% DI Water	100	12
FS-NT1-99	9" x 9"	70% IPA / 30% DI Water	75	12
FS-NT1-712	7" x 12"	70% IPA / 30% DI Water	75	12
FS-NT1-712.50.18	7" x 12"	50% IPA / 50% DI Water	75	12
FS-NT1-69ECO	6" x 9"	70% IPA / 30% DI Water	100 Wipes/Roll	3 Canisters/Case, 18 Roll Refills/Case
SS-NT1-77	7" x 7"	Dry, Self-Saturate	100	12
FS-NT1-912CB (Sterile)	7" x 12"	70% IPA / 30% DI Water	35	20

The above is typical physical property test data applicable to the sample reference name and should not be construed as a specification.

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