

PRODUCT DATA SHEET

DESCRIPTION

The Essence nW is a hydroentangled 55% cellulose 45% polyester nonwoven wiper designed for applications that require superior strength and absorbency. nW has low particles, low extractables, and is compatible with many solvents for use in a clean environment.



FEATURES

Hydroentangled 55% cellulose 45% polyester
Clean Cut in a Class 100 cleanroom
Low particles, Low extractables, Highly Sorbent
Improved yields due to low particle counts

APPLICATIONS

Excellent for use in Pharmaceutical, Biotech and Medical Device manufacturing
Superior economic value for Class 1,000 - 100,000 environments
Applications that require high sorbency

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

Basis Weight 68 ± 2 gsm
(*IEST-RP-CC 004.3*)

Absorbency
(*IEST-RP-CC 004.3*)

Sorptive capacity 305 ml/m²
Rate 5.0 sec

CONTAMINATION CHARACTERISTICS

Releasable Particles

LPC (≥ 0.5 um) 244 million/m²
(*IEST-RP-CC 004.2 SEC 5.2*)

Fiber Analysis (>100 um) 19,500/m²
(*ASTM F311-312*)

Nonvolatile Residue, NVR

(*IEST-RP-CC 004.2 SEC 6.1.2*)

IPA Extractant (100 ml IPA at ambient temp for 24 hrs) 0.0250 g/m²

DIW Extractant (100 ml DI water at ambient temp for 24 hrs) 0.0721 g/m²

FTIR

No Silicon Oil, Amide or DOP Detected

Ion Content

(*IEST-RP-CC 004.2 SEC 6.1.2*)

Chloride (Cl) 123 ppb

Nitrates (NO₃) 242 ppb

Nitrates (NO₂) 244 ppb

Sodium (Na) 1218 ppb

Potassium (K) 312 ppb

Magnesium (Mg) 12 ppb

Calcium (Ca) 525 ppb

Fluoride (F) 34 ppb

NOTE:

*Data shown are typical values and should not be used as specifications.

ORDERING INFORMATION

P/N	DESCRIPTION	PCS. / BAG	BAGS / CASE
NW 68-9	Cleanroom 45% cellulose 55% polyester nonwoven wiper 68 gsm, cleanroom cut, Size : 9" x 9"	300	12
NW 68-12	Cleanroom 45% cellulose 55% polyester nonwoven wiper, 68 gsm, cleanroom cut, Size : 12"x12"	150	10