

# DuPont™ Sontara®

## MICROPURE LP

### For Critical Cleanroom Environment

DuPont™ Sontara® MicroPure LP is a high-performance, absorbent product engineered for cleanrooms. Because they are made using the DuPont hydroentangling process, where needle-like water jets form a strong, nonwoven fabric without any binders, these fabrics are ideally suited for critical cleanroom environment.



### The Cleanest One Around

This remarkable Sontara® low particle fabric was specifically developed to obtain a high level of cleanliness and purity without sacrificing absorbency. It has millions fewer invisible particles than typical sealed-edge, double-knit polyester wipers, yet is far more absorbent. This absorbency is inherent to the fabric itself—unlike knits—and not the result of chemical additives. We believe Sontara® MicroPure LP is the cleanest high-absorbency nonwoven fabric available.

### Engineered That Way

Made using jets of filtered, high-pressure water, Sontara® fabric is continually "washed" during manufacture. This patented process requires no binders or additives. It is converted and packaged using strict quality control procedures. Unlike knits, which often require additional handling for laundering and sealing edges, Sontara® fabric does not require intermediate processing.



*The miracles of science™*

FEATURES	BENEFITS	APPLICATIONS
<ul style="list-style-type: none"> <li>Patented manufacturing process</li> <li>Fabric is formed with water jets that continually clean fibers and fabric knits</li> <li>Special blend of polyester and lyocell</li> <li>Made with no binders or chemicals</li> </ul>	<ul style="list-style-type: none"> <li>Exceptionally clean wiper fabric with extremely low particle generation, low extractables and ion levels</li> <li>More absorbent than 100% polyester</li> <li>Excellent wet and dry strength; solvent resistance</li> <li>Extremely soft wiper fabric</li> </ul>	<ul style="list-style-type: none"> <li>Class 10 (M2.5) and higher cleanrooms</li> <li>Wiping delicate surfaces</li> <li>Packaging sensitive components</li> <li>Cleaning work surfaces</li> <li>General cleanroom maintenance</li> </ul>

PROPERTY COMPOSITION	SONTARA® MICROPURE LP LYOCEL/POLYESTER	METHOD
BASIS WEIGHT (g/m <sup>2</sup> )	67	ASTM D1117 Sec 17
SHEET GRAB TENSILE MD (N)	205	ASTM D1117 Sec 7
XD (N)	117	ASTM D1117 Sec 7
SORPTIVE CAPACITY		
Intrinsic, A <sub>i</sub> mL/g	6.85	ASTM D6651 -01
Extrinsic, A <sub>e</sub> mL/m <sup>2</sup>	465	ASTM D6651 -01
SORPTIVE RATE		
Intrinsic, R <sub>i</sub> mL/g/s	27.1	ASTM D6651 -01
Extrinsic, R <sub>e</sub> mL/m <sup>2</sup> /s	1833	ASTM D6651 -01
PARTICLES		
P <sub>0</sub> MM/m <sup>2</sup>	2.5	IEST-RP-CC004.2
BAS MM/m <sup>2</sup>	11.2	IEST-RP-CC004.2
Gelbo 1000/ft <sup>3</sup>	1.1	INDA IST 160.3
EXTRACTABLES		
Water, H <sub>2</sub> O%	0.05	IEST-RP-CC004.2
Isopropyl Alcohol, IPA %	0.04	IEST-RP-CC004.2
IONS		
Sodium ppm	4.6	IEST-RP-CC004.2
Iron ppm	2.4	IEST-RP-CC004.2
Magnesium ppm	29.4	IEST-RP-CC004.2
Potassium ppm	3.8	IEST-RP-CC004.2
Calcium ppm	231	IEST-RP-CC004.2

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