OSS TECH

PRODUCT DATA SHEET

Quilt LC Wipes
(WIP-POLY-L-QUILT-290)

Rev.05

DESCRIPTION

Quilt LC Wipe is a cleanroom laundered, two-ply, 100% polyester wiper constructed from continuous-filament polyester knitted in a double-knit interlock pattern. Two-ply construction offers high sorbency capacity coupled with laser cut edges to prevent particle and fiber release.



LASER CUT

FEATURES & BENEFITS

-Laser sealed edge ensures low lint and particle level
-Unique two-ply construction that offers excellent sorbency and wiping efficiency
-Superior strength allows for rigorous wiping with minimal release of fibers and particles
-Solvent safe, double bagged and vacuum cleanroom packed

APPLICATIONS

-Spill control
-Suitable for class 100 – 10,000 cleanrooms
-Applications requiring both cleanliness and high sorbency

SPECIFICATIONS

PERFORMANCE CHARACTERISTICS

Basis Weight	290 gsm
Thickness *(micrometer)*	1.05 mm
Absorbency Rate & Capacity *(IEST-RP-CC 004.3)*	
Sorptive capacity	650 ml/m^2
Rate *(Drop Disappearance mtd.)*	< 2 sec

CONTAMINATION CHARACTERISTICS

Nonvolatile Residue, NVR
(IEST-RP-CC 004.3,Analysis for Unspecified Extractable Matter)

IPA Extractant	0.796 mg/g
DIW Extractant	0.185 mg/g
FTIR	NO Silicon Oil, Amide and DOP detected

Ion Content
(IEST-RP-CC 004.3, Thorough Extraction Method)

Chloride (Cl)	0.000488 mg/g
Nitrates (NO3)	0.0000259 mg/g
Nitrite (NO2)	0.0000311 mg/g
Phosphate (PO4)	0.000265 mg/g
Sulphate (SO4)	0.000104 mg/g
Sodium (Na)	0.000372 mg/g
Potassium (K)	0.0000863 mg/g
Magnesium (Mg)	0.0000756 mg/g

Releasable Particles

LPC (≥ 0.5 um) *(IEST-RP-CC 004.3-orbital shake mtd)*	7.2 x 10^6 particles/m^2
APC (Helmke Drum Test @10rpm); ≥ 0.5 um *(IES-RP-CC003.2)*	100 counts/pc./cfm -9"x9" 1.941 x 10^3 counts/m2/cfm

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