

PolySat®

Polypropylene wipers pre-wetted with 70% isopropyl alcohol



Description

PolySat® incorporates soft, 100% melt-blown polypropylene substrate pre-wetted with a 0.2 µm filtered, 70% isopropyl alcohol/30% deionized water solution. Packaged in resealable flexpacks or flip-top tubs, PolySat is convenient for cleaning sensitive surfaces in controlled environments.

Features

- Wipers pre-wetted with accurately diluted, measured volumes of high-purity IPA/deionized water solution
- Convenient, resealable dispensers
- Packaged in SolventSafe plastic that can be wiped down prior to introduction into the cleanroom

Benefits

- Eliminates problems associated with purchasing, storing, filtering, diluting and mixing alcohol
- Eliminates maintenance of squirt bottles
- Offers portion and VOC* control with optimally wetted wipers
- Delivers premeasured amount of high-purity alcohol to the surface
- Optimizes alcohol usage and reduces spill potential
- Reduces alcohol consumption and eliminates over-spray of alcohol
- Provides soft, pre-wetted wiper for rapid wipedowns
- Offers low particle generation and low levels of solvent extractables

*Volatile organic compound

Applications

- Designed for cleaning equipment and other environmental surfaces during and following the production flow
- Suitable for wiping the exterior of production equipment in controlled environments
- Suitable for wiping production equipment requiring low solvent extractables and low particle generation

Products

TX Number	Description	Packaging
TX1051	PolySat® 9" x 11" polypropylene wipers pre-wetted with 70% IPA	50 wipers/flexpack 24 flexpacks/case



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PolySat®

TX1051

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	35 g/m ²	1, TM20
Absorbency		
Sorbptive capacity	99 mL/m ²	1, TM20

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5–5.0 µm	48 x 10 ⁶ particles/m ²	1, 2, TM22
5.0–100 µm	1,200,000 particles /m ²	1, 2, TM22
Fibers >100 µm	78,000 fibers /m ²	1, 2, TM22
Nonvolatile residue		
IPA extractant	0.15 g/m ²	1, TM1
DIW extractant	0.001 g/m ²	1, TM1
Ions		
Sodium	BDL**	1, TM18
Potassium	BDL**	1, TM18
Chloride	BDL**	1, TM18

Note: The data in this table represent typical analyses of these wipers after seven days of saturation. These are not specifications. ITW Texwipe continually refines both its processes and its products.

*Test Methods

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC 004.3, Institute for Environmental Sciences and Technology, Rolling Meadows, IL 2004; www.iest.org.
 - 2 – “Standard Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy,” E2090-00, ASTM International, West Conshohocken, PA, 2000; www.astm.org.
- TM – Refers to ITW Texwipe Test Method — available upon request, contact ITW Texwipe Customer Service at www.texwipe.com for a copy.

** BDL = Below Detection Limits

For more details on the use of pre-wetted wipers, please review “Progress in Pre-wetted Wiper Cleanliness Levels” by Dr. Howard Siegeman.

ITW Texwipe is the only wiper company to be ISO 9001:2000, 13485:2003, 14001:2004 and OHSAS 18001:1999 registered.