

Poly-Onyx™ Wipes

Product# 6259BESD, 6254BESD

Product Description

Poly-Onyx™ ESD Wipes ESD combine several advancements and desirable features into one wipe. They are made from black monofilament polyester no-run knit, providing excellent strength, good absorbency and chemical compatibility. These wipers are a good choice for general clean room and equipment maintenance, or any critical applications where lint or particles can be detrimental. However, their black color makes them especially valuable as an inspection wipe for translucent or light colored particulate contamination and dusts; as well as for make-up on clean room workers. Special static dissipative fibers are also woven into the fabric to safely relieve potentially damaging static charge.

- Excellent solvent and acid resistance
- Monofilament "no-run" construction does not release loose fibers
- Excellent durability for cleaning rough, abrasive, or irregular surfaces
- Low ionic, nonvolatile residue and particle contamination
- Good absorbency
- Available stacked and vacuum packed
- Laser sealed edge
- Static Dissipative
- Class 100 – 1000 (ISO 5-6) Clean room

Typical Applications

Poly-Wipes can be used to clean:

- Semiconductor Wafer Fabs
- Aerospace Production Areas
- Disk Drives Production Areas
- Pharmaceutical / Biotechnical Production Areas
- General Clean room Cleaning
- Dust and Make-up Detection / Inspection
- Clean static sensitive surfaces



Compatibility

Poly-Onyx™ ESD Wipes are compatible with most common solvents such as isopropyl alcohol, methanol and ketones such as acetone or methyl ethyl ketone. These wipes are generally compatible with dilute or weak bases, as well as with most dilute or weak acids.

Availability

6259BESD	9" x 9" (22.9cm x 22.9cm) Black, Laser Sealed Edge Polyester wipe, 140g/m ² , 150/Bag
6254BESD	4" x 4" (10.1cm x 10.1cm) Black, Laser Sealed Edge Polyester wipe, 140g/m ² , 600/Bag

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Wipe Material	Black ESD Polyester Knit Fabric (Typical Results)
Wipe	6259BESD / 6254BESD
Availability	9" x 9" / 4" x 4"
Basis Weight	140 g/m ² (+/- 5 g/m ²)
Particle Counts (LPC)>/= 0.5 microns	6.5 million/m ²
NVR in DI water	0.045mg/g (45ppm)
NVR in IPA	0.080 mg/g (80 ppm)
FTIR : silicone, amide, phthalates	None Detected
Chloride Ions	0.00002 mg/g (0.02 ppm)
Nitrite Ions	0.00012 mg/g (0.12 ppm)
Nitrate Ions	0.00012 mg/g (0.12 ppm)
Sulphate Ions	0.00040 mg/g (0.40 ppm)
Sodium Ions	0.000135 mg/g (0.135 ppm)
Calcium Ions	0.000026 mg/g (0.026ppm)
Potassium Ions	0.00051 mg/g (0.51 ppm)
Magnesium Ions	0.000016 mg/g (0.016 ppm)
Absorbency (Capacity)	337 ml/m ²
Absorbency (Rate)	0.8 seconds
Surface resistivity	1 x 10 ⁸ – 1 x 10 ¹⁰ ohm/sq

The wipe tests were done using the recommended practices of the Institute of Environmental Science, Swabs and Wipes Working Group.

Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is: 1-800-TECH-401.

Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.