

ESD bubble envelopes HIGHSHIELD, shielding film, 190x250 mm + 90mm flap, three-layer, PU = 1000 pieces



The HIGHSHIELD ESD air bubble bags from Warmbier offer reliable protection for electrostatically sensitive components. With dimensions of 190 x 250 mm and a 90 mm flap, they are suitable for components of different sizes. The three-layer construction combines a smooth outer side made of HIGHSHIELD film with a smooth, dissipative PERMASTAT® inner side, thus ensuring effective shielding against electrostatic discharges and fields.

The bags are weldable, recyclable and have a shielding effect of $E < 5$ nJoule with a typical surface resistance of 10^9 - 10^{10} Ω on the inside and outside. These properties make them ideal for use in electronics production, repair and laboratories, where ESD protection is crucial. They reliably protect components against electrostatic damage during storage, transportation or handling.

- Shielding bubble wrap
- Protective effect against electrostatic discharge and fields
- Three-layer film structure
- Outer side - HIGHSHIELD film, smooth
- Inside - PERMASTAT® film, smooth

- Weldable
- Recyclable
- Electrostatic shielding $E < 5$ nJoule
- Typical surface resistance $R_s = 10^9 - 10^{10}$ Ohm (inside and outside)

Item no.	WL33114
Model	3351.Z
Manufacturer	WARMBIER
Manufacturer article no.	3351.Z.190X250
GPSR manufacturer data	Wolfgang WARMBIER Untere Gießwiesen 21 DE-78247 Hilzingen www.warmbier.com
Length	190 mm
Width	250 mm
Sales unit	1 PU
Content unit	1 Packaging unit
Incl. battery	no
Zip closure	no
Resealable	no
Typical surface resistance (Rpp)	$10^9 - 10^{10}$ Ohm
ESD compliant	yes
Number of layers	3-ply