

SCANFOIL

PS ESD

Scanfoil PS ESD is a thermoplastic foil with good forming properties, and a choice of surface resistance level on both sides of the foil.

The material is suitable for thermoformed packaging applications with reduced surface resistance requirements, e.g. packaging for electrical devices sensitive for ESD.

We can offer a foil with surface resistance in three different levels, ranging from 10^2 to $10^9 \Omega$, on both sides of the foil, based on carbon nanotube technology*. The volume resistance will also be reduced, but typically to a dissipative level.

The material is recyclable, and can be reused in the production of new foil.

ESD:	Surface resistance	Volume resistance
Level 1:	$1 \times 10^2 < R_s < 9 \times 10^4 \Omega$	$1 \times 10^9 < R_v < 1 \times 10^{11} \Omega$
Level 2:	$1 \times 10^3 < R_s < 9 \times 10^6 \Omega$	$1 \times 10^9 < R_v < 1 \times 10^{11} \Omega$
Level 3:	$1 \times 10^5 < R_s < 9 \times 10^9 \Omega$	$1 \times 10^9 < R_v < 1 \times 10^{11} \Omega$

*The carbon nanotube additive is bound in the polymer matrix and will not migrate nor cause any health issues for anyone handling this material.



PRODUCT DESCRIPTION

Foil thickness	350-1500 μm
Foil width	360-900 mm
Density	1,04-1,06 g/cm ³
Shrinkage	0,2-0,6%
% recycled material	up to 100%
Glass transition temp. (Tg)	$\approx 100^\circ\text{C}$

THERMOFORMING SETTINGS

Pre-heating cabinet	\approx Not required
Foil temperature	$\approx 120-180^\circ\text{C}$

FEATURES

 Recyclable

OPTIONS

 Anti-Block

 ESD

 Easy Seal

APPEARANCE

 Colored black

STORAGE RECOMMENDATIONS

Temperature:
10-35°C

Relative Humidity:
30-70%

Time:
Up to 12 months with unchanged material properties. The ESD properties are permanent and will not deteriorate over time.

Other:
Protect from direct sunlight and physical contamination.

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