

Intace

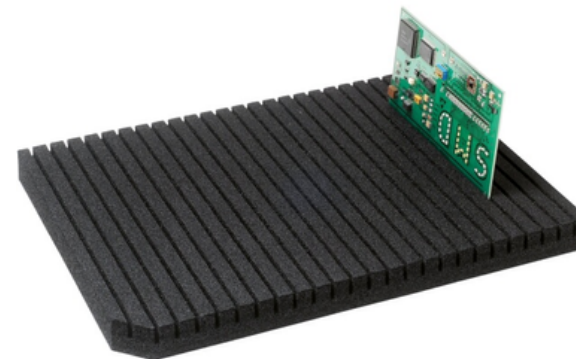
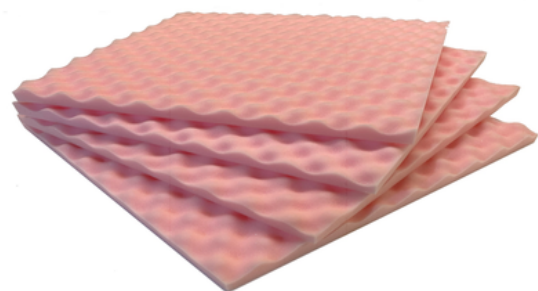
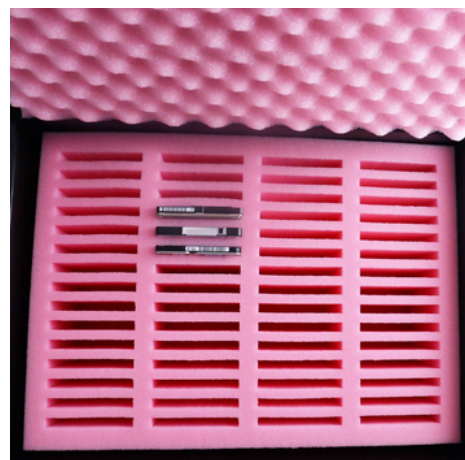
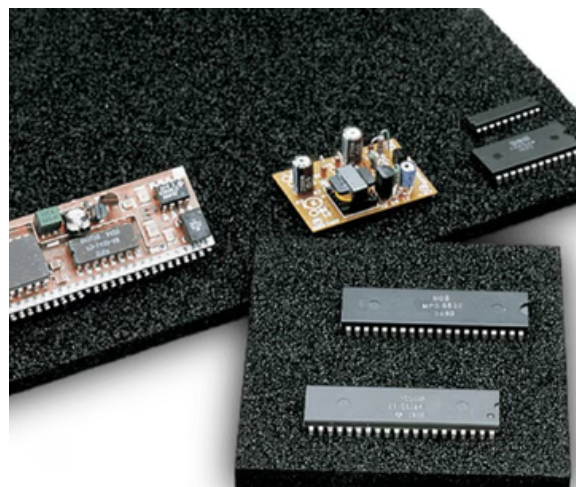
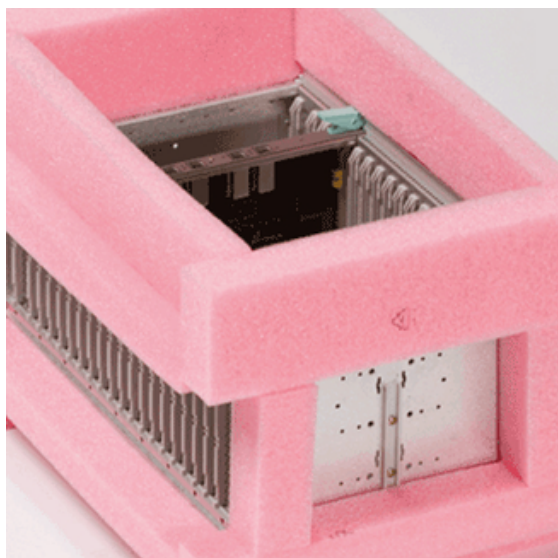


Bio-based ESD packaging foam
for electronics and semiconductors

Use case

To directly replace **ESD foam packaging** for electronics and semiconductor components:

- **Conductive foam (Black) and Anti-static foam (Pink)**
- E.g. packaging for Server Motherboards, PCBs, SSDs, HDDs, CPUs, GPUs, TPUs, PSUs, RAM, DRAM, NICs, Optical Transceivers, Edge/IoT Devices for Data Center Monitoring, Batteries for UPS Systems



Traditional foam

Intace

Our Value Proposition is Simple:

Same ESD performance as plastic foams

Same price — no green premium

Complies with upcoming plastic regulations

Reduces plastic-related taxes and fees

Strengthens both sustainability and brand positioning

Carbon-minimal production now, working toward carbon-negative impact to the whole supply chain

Performance

High shock absorption for valuable and fragile products

Long-lasting electrostatic discharge (ESD) protection for electronic components

No dusting or clumping, a common issue with many biofoams

Thin and compact, with the same protection as bulkier materials

Cost

Comparable cost to current ESD foam options

PLUS

Avoid recycling fees +
Avoid landfill taxes +
Avoid plastic-related taxes

Stay ahead of competitors and **gain global customer access** by complying with upcoming regulations restricting single-use plastic packaging.

Sustainability

Fully biodegradable and **home compostable**, no contribution to landfills

Made from renewable materials

Plastic-free, aligning with environmental goals

Enhances brand image by supporting ESG initiatives

Reduce **Scope 3** emissions

- **87% of consumers** are more likely to buy from companies that champion environmental causes, *Harvard Business Review*
- **85% of B2B buyers** are more likely to choose a supplier with a strong sustainability reputation, *Gartner*
- **61% of B2B companies** are actively seeking suppliers that align with their sustainability goals, *Accenture*

Intace vs. Standard Plastic ESD Foam

	Intace	Standard Plastic ESD Foam
Performance	✓ High	✓ High
Price	✓ Parity	✓ Parity
Upcoming plastic regulations	✓ Pass	⚠ Risk of Non-Compliance
Various tax	✓ Pass	⚠ Highly Exposure
Import limitation	✓ None	⚠ Restricted in Some Markets (e.g., EU)
Brand Image	✓ Strong & Positive	✗ Negative (Petroleum-Based)

Spec

Property	Specification
Product Name	Intace BioFoam – Conductive Grade
Material Type	Bio-based foam
Thickness	15 mm (other options: 5 mm, 10 mm, 20 mm available on request)
Dimensions	Customizable sheet size
Surface Resistance	$< 1 \times 10^4$ ohm/sq (Conductive)
Volume Resistivity	$< 1 \times 10^3$ ohm·cm (Conductive)
Color	White (custom color options available for volume orders)
ESD Classification	Conductive (per IEC 61340-5-1 & ANSI/ESD S541 standards)
Biodegradability	Home compostable
Applications	ESD-sensitive packaging: ICs, PCBs, semiconductor components