

Technical Data Sheet – AirCap[®] Range

1. Product Description

AirCap[®] is a co-extruded plastic bubble film made from polyethylene with a barrier layer. Depending on the variant, the film may be laminated with HDPE film, LDPE film, Cell-Aire[®] foam, adhesive film or spunbonded polypropylene film. With variants including post-industrial (PIR) or post-consumer (PCR) recycled content. These products are designed for high-performance cushioning and protection during transport and storage.

2. Applications

- Protective packaging
- Cushioning and void fill
- Surface protection during transport

3. Storage & Handling Guidelines

- Store in a dry, indoor environment away from direct sunlight.
- Ideal storage temperature: 10–30 °C.
- Shelf life: 6 months under recommended storage conditions.

To ensure optimal performance and durability of AirCap[®] products, follow these recommended storage and handling instructions:

3. 1. Avoid Pressure and Compression

We do not recommend placing heavy materials or equipment on top of the rolls. Excessive weight or pressure can deflate the bubbles and affect product performance. Handle rolls with care during transportation or movement to avoid squeezing or compressing the film.

3. 2. Cold Storage

We do not recommend but AirCap[®] can be stored in sub-zero temperatures. Note that in cold environments, bubbles may appear slightly flatter due to contraction of the enclosed air. However, once the rolls are brought back to room temperature, the bubbles regain their normal shape. This is entirely normal and does not affect the functionality.

3. 3. Recommended Positioning

We always recommend storing rolls upright so that the core bears the weight. This prevents bubbles from becoming compressed over time during long-term storage.

3. 4. Controlled Storage Environment

We always recommend storing in a dry indoor location, ideally between 10–30 °C. Avoid high humidity, which can degrade material quality, and protect the rolls from extreme heat or sharp objects.

3. 5. Regular Inspection

We always recommend periodically checking stored rolls to ensure they remain in good condition. Remove damaged or compromised material from inventory.

4. Technical Specifications by Standard AirCap® Product.

Product Name	Bubble Height under compression (mm)	Bubble Diameter (mm)	Bubble Surface Density (g/m²)	Recycled Content (Weight percentage %) *	Complete Bubbles (300×300 mm)	Dimensions (mm)
TL	8.4 +-10%	24	50 +-10%	-	110	+ -2%
TL LRT	8.4 +-10%	24	50 +-10%	30%	110	+ -2%
EL LRT	2.5 +-10%	9	28 +-7%	30%	800	+ -2%
EL RT	2.5 +-10%	9	28 +-7%	50%	800	+ -2%
EM LRT	2.5 +-10%	9	35 +-10%	30%	800	+ -2%
EM RT	2.5 +-10%	9	35 +-10%	50%	800	+ -2%
ES5	2.5 +-10%	9	80 +-10%	-	800	+ -2%
ES5 RT	2.5 +-10%	9	80 +-10%	50%	800	+ -2%

* PIR or PCR

Color as it is, predominately different shades of grey/black

4.1. Technical Specifications for Special AirCap® Product.

Product Name	Bubble Height under compression (mm)	Bubble Diameter (mm)	Bubble Surface Density (g/m²)	Recycled Content (Weight percentage %) *	Complete Bubbles (300×300 mm)	Surface resistance (ohms)**	Dimensions (mm)
ESAS (Antistatic)	2.5 +-10%	9	49 +-10%	-	800	< 10 ¹¹	+ -2%

** For ESD protective products according to IEC 61340-5-1

Color as it is, predominately different shades of red/pink

4.2. Technical Specifications by Standard AirCap® Laminated Products

Product Name	Bubble Height under compression (mm)	Bubble Diameter (mm)	Bubble Surface Density (g/m²)	Recycled Content (Weight percentage %)*	Complete Bubbles (300×300 mm)	Top Laminate	Dimensions (mm)
TL TOP LDR25	8.4 +-10%	24	50 +-10%	(LD Film: 60%)	110	LD Film 25 g/m ² +-10%	+ -2%
TL TOP LD35	8.4 +-10%	24	50 +-10%	-	110	LD Film 35 g/m ² +-10%	+ -2%
EL LRT TOP HD10	2.5 +-10%	9	28 +-7%	30%	800	HD Film 10 g/m ² +-10%	+ -2%
EL RT TOP LDR25	2.5 +-10%	9	28 +-7%	50% (LD Film: 60%)	800	LD Film 25 g/m ² +-10%	+ -2%
EL TOP Cell-Aire®	2.5 +-10%	9	28 +-7%	-	800	Cellaire® +-10%	+ -2%
ES5 RT TOP LDR25	2.5 +-10%	9	80 +-10%	50% (LD Film: 60%)	800	LD Film 25 g/m ² +-10%	+ -2%

* PIR or PCR

Color as it is, predominately different shades of grey/black

4.3. Technical Specifications by Special AirCap® Laminated Products

Product Name	Bubble Height under compression (mm)	Bubble Diameter (mm)	Bubble Surface Density (g/m²)	Recycled Content (Weight percentage %)*	Complete Bubbles (300×300 mm)	Top Laminate	Back Laminate	Dimensions (mm)
EM Kraft Papper	2.5 +-10%	9	35 +-10%	-	800	Kraft paper 60 g/m ² +-10%		+ -2%
EM Bubble Guard	2.5 +-10%	9	35 +-10%	-	800	LDPE Film 45 g/m ² +-10%	Spunbonded PP 30 g/m ² +-10%	+ -2%
EM Bubble Mask	2.5 +-10%	9	35 +-10%	-	800	Adhesive Film 30 g/m ² +-10%	-	+ -2%

* PIR or PCR

Color as it is, predominately different shades of grey/black

5. Handling & Disposal

AirCap[®] products are recyclable where polyethylene (PE) is accepted. Dispose of used materials in accordance with local environmental regulations.



Note: AirCap[®] variants laminated with kraft paper, bubblemask or Bubbleguard are not fully recyclable, as the laminate may contain non-plastic components that limit recyclability.

6. Compliance & Safety

- Made from REACH-compliant raw materials.
- This product does not contain SVHC (Substances of Very High Concern) above 0.1% w/w or heavy metals restricted under Directive 94/62/EC
- Contains PIR (Post-Industrial Recycled) and/or PCR (Post-Consumer Recycled) content as indicated.
- The LRT and RT product ranges are certified according to **RecyClass EN 15343** for recycled content traceability.



6.1 Manufacturer & Contact Information

- **Manufacturer Information:** Sealed Air Svenska AB, Påtorpsvägen 2, 57833 Aneby, Sweden
- **Contact Reference:** info-pack@sealedair.com
- **Safety Information:** See pictograms in Section 6

7. Disclaimer

The data presented is typical for the product and should not be construed as specification limits. Sealed Air makes no warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose. Users must determine suitability for their application.