

Sealed Air

AirCap[®]

Barrier-Sealed Bubble Packaging



The Original Barrier Sealed Bubble

Sealed Air

Innovating for
50 Years

The environmental benefits of AirCap®

Quality Assurance

AirCap® is manufactured under conditions governed by ISO 9001:2008, your guarantee of high standards of production and quality control.

AirCap® bubble strength

The air retention barrier of AirCap® also gives extra strength to each bubble to provide extra protection to your products.

Reusable

The long lasting cushioning performance enables AirCap® to be used many times.

Source reduction

AirCap® is made with a thinner co-extruded film compared with polyethylene only non-barrier bubbles. This also contributes to source reduction by providing better protection with less plastic material.

Recyclable

AirCap® can be recycled with other polyethylene materials. PIRA International, the leading UK Packaging Research Organisation, has witnessed the ease with which AirCap® can be recycled to produce a film suitable for a variety of uses.



How does the Air Retention works?

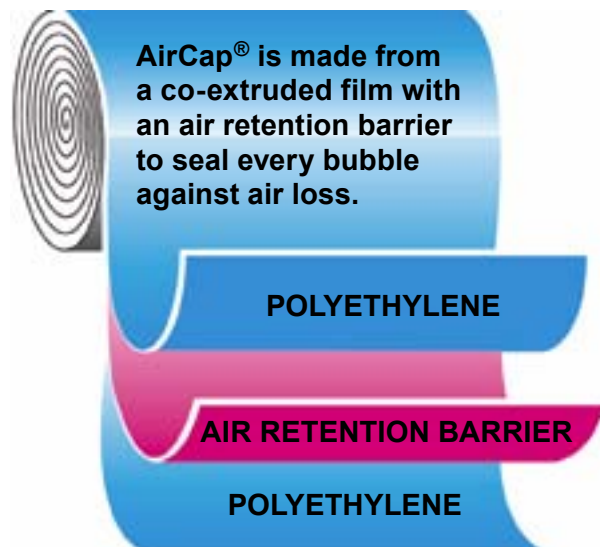
Cushioning protection

The whole idea of bubble packaging is to use the air trapped inside it as a cushion to protect products from damage. The better bubble packaging can retain air over time, the more effective the protection for packaged products.

The ability to retain air is the difference between barrier-sealed AirCap® and non-barrier bubbles. All air cellular packaging is made with polyethylene plastic. However, polyethylene alone offers poor air retention characteristics in a packaging environment, i.e. during the bumps, knocks, vibration, under load and over a period of time. This is why AirCap® is manufactured by co-extruding an air retention barrier that is 100 times more resistant to the passage of air than a thicker, single layer of polyethylene.

Only AirCap® bubble packaging has this air retention barrier which actually seals every bubble against air loss. So AirCap® retains its thickness to ensure effective, long-term cushioning performance from packaging, through storage and transit, right up to final delivery.

THE DIFFERENCE IS IN THE BARRIER



Proof that barrier-sealed AirCap® protects your product better than non-barrier bubbles

Consider a 15-day distribution cycle

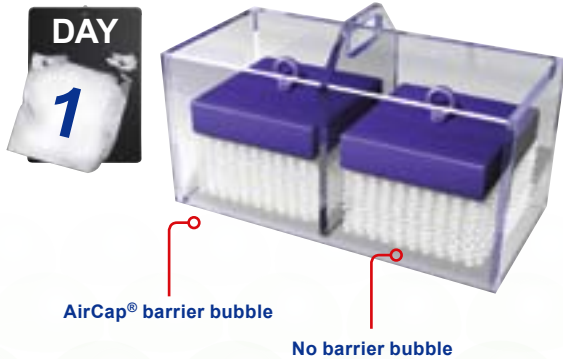


A typical distribution cycle from packaging, storage, transit and unpacking could be 15 days or more. Throughout this time the bubble cushioning is under load and should be protecting your product from shock and vibration.

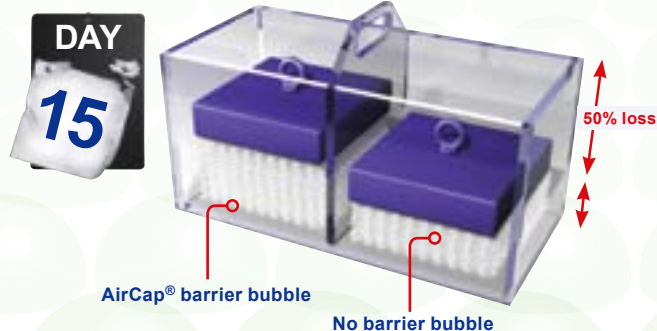
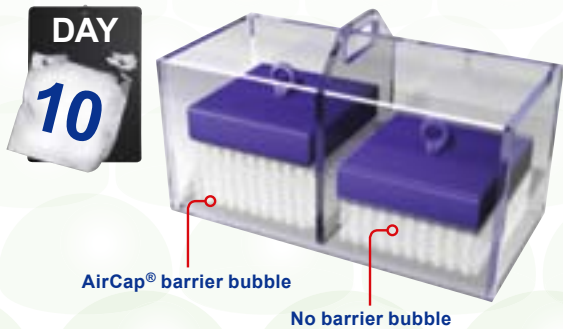
The 15-day comparison AirCap® versus non-barrier bubble

We can compare the air retention capability of barrier-sealed AirCap® with non-barrier bubble under a medium load for 15 days. A number of layers of bubble sheets are placed in the blue test box and a medium load placed on top. See how barrier-sealed AirCap® resists thickness loss. However, non-barrier bubbles lose over 50% of their thickness – substantially reducing cushioning protection.

Creep test shows thickness loss



**Thickness loss =
Loss of cushioning =
Loss of product protection**



Conclusion

When you specify barrier-sealed AirCap®, you will have the assurance that this bubble packaging has been purposely designed and engineered to retain the air and its protective packaging capabilities. The special air retention barrier seals every bubble against air loss and also gives AirCap® bubbles extra strength. Non-barrier bubbles show performance losses that increase the risk of product damage in transit. Your products deserve the best packaging protection, so insist on barrier-sealed AirCap® by name.



Which bubble is right for me?

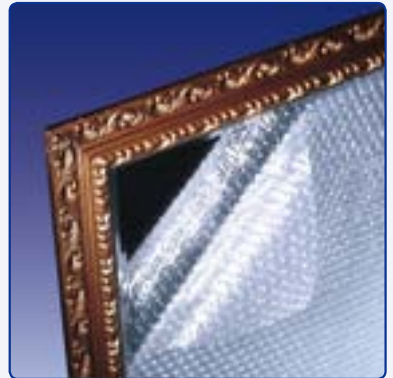


BubbleGuard
Special protection with AirCap® barrier-sealed bubble cushioning.

A step in the right direction...

AirCap® E
With AirCap® E bubble you can transport 46% more bubble in the same truck, reducing CO₂ emissions because of the less material. More metres on one roll with the same diameter.

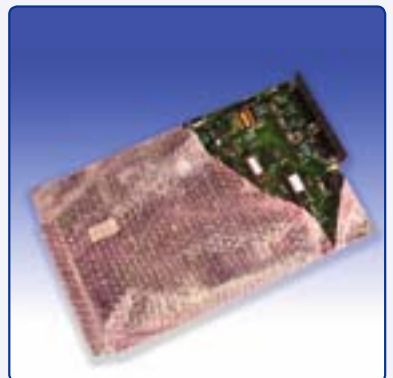
- Energy Saving
- Efficient in warehousing
- Effective in protection
- Economical in transport
- Environmentally friendly



BubbleMask
Self adhesive - it's easy to apply and remove. Suitable for furniture, kitchen/ bathroom fittings, home appliances, sheet glass, televisions and more.



Office products
Handy BubblePak™ and mini rolls for offices, shops and small business.



Anti-Static AirCap®
To protect sensitive electronic components from static electricity.

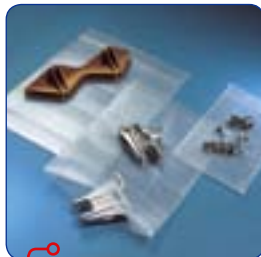
AirCap® can be converted into:



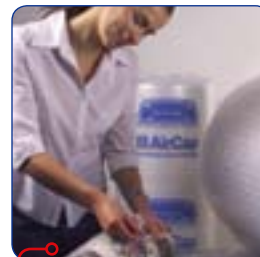
Rolls
Full width rolls or slit.



Perforated Rolls
Give you the convenience of sheets on a roll.



Sheets
Sheets customised to your size requirements.

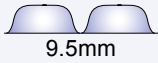

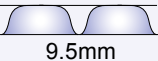




AirCap® HandyRoll
Handy-sized rolls for offices, shops and small businesses.



BubbleBags
Available in 7 standard sizes, all with self seal closure.

You choose the type of AirCap® to best suit your packaging needs

Bubble Type	Bubble Diameter	Nominal Bubble Height	Applications
Small Bubbles CL Light CM Medium CS Strong		4.2mm	CL small, light bubble is popular and economical, widely used for surface protection, interleaving and cushioning. CM small, medium bubble offers high performance surface protection and cushioning for long term product protection. CS small, strong bubble provides even tougher packaging protection, conforming to Ministry of Defence specifications.
EL Light		4.15mm	EL Light. With the same warehouse space you can put 46% more AirCap® E bubble than standard AirCap® C bubble. Besides the reduction of CO ₂ emission AirCap® E is reusable and recyclable. The use of the barrier allows us to use thinner film that also contributes to source reduction.
Small Bubbles CL Top		4.2mm	CL Top is CL, small bubble with high density polyethylene (HDPE) film laminated to the top of the bubbles for excellent puncture and tear strength.
TL Large Bubble		9.5mm	TL Large Bubble is very versatile for cushioning a wide variety of products.
Extra-Large Bubbles: DL Light DS Strong		12.7mm	DL Extra-Large, light bubble is designed for void fill and cushioning applications. Roll slit 300mm and 500mm are perforated every 300mm for fast packing. DS extra-large, strong bubble gives high performance cushioning and conforms to Ministry of Defence specifications.

AirCap® roll sizes

Bubble Type	Length (m)	Width (mm)	Area (m ²)
Small Bubbles			
CL Light	100	1500	150.0
CM Medium	100	1500	150.0
CS Strong	100	1500	150.0
EL Light	150	1500	225.0
Small Bubbles Laminated to HDPE film CL Top	100	1500	150.0
TL Large Bubble	45	1500	67.5
Extra Large Bubbles			
DL Light	50	1500	75.0
DS Strong	50	1500	75.0

AirCap® rolls 1500 wide are available slit into the following standards dimensions:

- 1 roll 1500mm wide
- 1 roll slit 2 x 750mm
- 1 roll slit 3 x 500mm
- 1 roll slit 5 x 300mm



1 roll
1500mm
wide



1 roll
slit 2 x
750mm



1 roll
slit 3 x
500mm



1 roll
slit 5 x
300mm

Packaging Value/Cost Savings

Your Sealed Air packaging consultant will be pleased to provide you with a detailed Value/Cost Analysis of your packaging operation. This service is designed to identify your packaging needs, enabling us to then make recommendations aimed at improving overall costs and efficiency.

The various types of AirCap® barrier-sealed bubble provide excellent packaging protection. This means that we can often recommend a reduction in the size of your current packages and of course the amount of packaging material needed.

Let us show
you how to
optimise your
packaging
costs

Creating World-Class Packaging Solutions



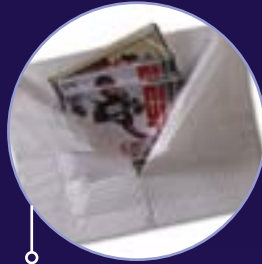
Mail Lite®
Protective mailers



Cell-Aire®
CFC-free
polyethylene foam



Instapak Quick® RT
Foam-in-place packaging



PriorityPak™
Automated
packaging system



Fill-Air®
On-site air
cushioning system



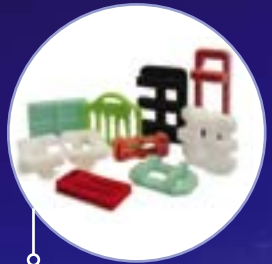
Pack Tiger™
Compact paper
packaging system



Korrvu®
Suspension packaging



NewAir I.B.®
Packaging system



Stratocell®
Polyethylene fabrication
foams

Sealed Air has identified the opportunity to improve our business and make a positive difference in the world by increasing our commitment to sustainable packaging. Sustainable packaging, which makes efficient use of natural resources and minimises the impact on the environment, can include many forms of packaging. Improving the sustainability of our offering can come by reducing packaging via thinner, lighter products, removing packaging via new package designs, recycling packaging to reduce waste going to landfills and redesigning packaging using materials from bio-based sources. Sealed Air is working closely with key customers in target applications to advance environmentally friendly, innovative packaging solutions.



Protective Packaging

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