



Polybar[®]

Comprehensive range of barrier films
for thermoformable blisters

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Polybar® Barrier Films

Amcor offers a comprehensive portfolio of Polybar® thermoformable blister materials. With options to suit all barrier requirements, the three Polybar® product families cover the complete range of moisture barriers, whilst also providing good crush resistance to ensure the best protection for pharmaceutical applications such as tablets and capsules.

In addition, Amcor offers valuable application-enhancing services to assist every stage of the packaging process, including worldwide technical support and computer simulation using the Blackbox™ thermoforming die optimization tool.

Polybar® PVdC

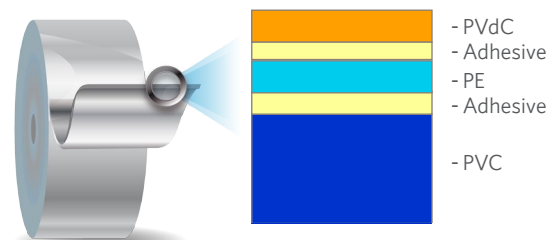
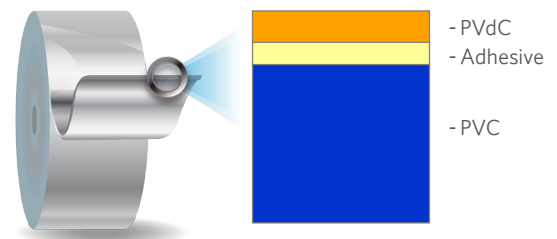
Polybar® Duplex blister packaging, made from PVdC-coated PVC, provides a cost effective Moisture Vapor Transmission Rate (MVTR) packaging option for pharmaceutical tablets and capsules. Polybar® Triplex blister packaging has an extra layer of PE to support thicker coatings of PVdC and enhance MVTR performance.

Features

- Low to medium moisture and oxygen barrier
- Good thermoformability
- Water based PVdC coatings

Benefits

- Cost effective moisture and oxygen barrier
- Good product protection



Polybar® Aclar®

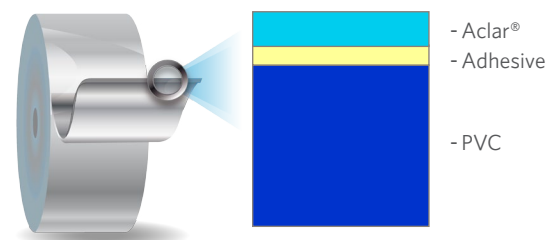
Polybar® Aclar® blister packaging offers the widest range of MVTR barrier films and the highest crystal clarity of any thermoforming film on the market. Together with optimized blister lidding products, Polybar® Aclar® provides assurance and product safety even in the most demanding requirements.

Features

- Highest barrier to water vapor of any polymer film
- Excellent crush resistance
- Chemical resistance to acids, alcohol and acetone

Benefits

- Best performing thermoforming film for high temperature and humidity conditions
- Lidding options to further improve the barrier properties



Polybar® COC

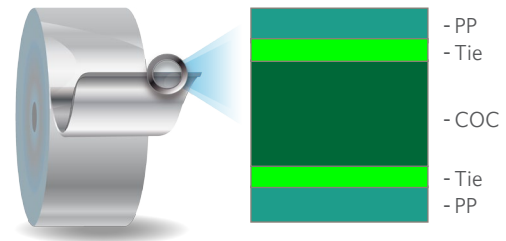
Polybar® COC blister packaging is a chlorine and fluorine-free film alternative to PVC providing high to mid range barrier protection against moisture vapor transmission. Polybar® COC is an ideal thermoform material for high temperature and humidity conditions.

Features

- Medium to high MVTR
- Chlorine and fluorine free
- Low density

Benefits

- Environmental (halogen free)
- No special storage conditions required
- Can be used on existing thermoforming lines without additional tooling



Polybar® Summary

	Product	Structure	Colour Options	MVTR* (g/m ² /day)
Polybar® PVdC	PVC/PVdC			
	200/40	200 PVC / 40g/m ² PVdC	Clear or white	0.75
	250/40	250 PVC / 40g/m ² PVdC	Clear or white	0.75
	200/60	200 PVC / 60g/m ² PVdC	Clear or white	0.60
	250/60	250 PVC / 60g/m ² PVdC	Clear or white	0.60
	PVC/PE/PVdC			
	200/30/60	200 PVC / 30 PE / 60g/m ² PVdC	Clear or white	0.60
	250/30/60	250 PVC / 30 PE / 60g/m ² PVdC	Clear or white	0.60
Polybar® Aclar®	PVC/Aclar®			
	22A/200	38 µm 22A Aclar® / 200 µm PVC	Clear or white	0.34
	22A/250	38 µm 22A Aclar® / 250 µm PVC	Clear or white	0.34
	Rx20e/200	20 µm Rx20e Aclar® / 200 µm PVC	Clear or white	0.29
	Rx20e/250	20 µm Rx20e Aclar® / 250 µm PVC	Clear or white	0.29
	Ultrx2000/200	51 µm Ultrx2000 Aclar® / 200 µm PVC	Clear or white	0.12
	Ultrx2000/250	51 µm Ultrx2000 Aclar® / 250 µm PVC	Clear or white	0.12
	Ultrx3000/200	76 µm Ultrx3000 Aclar® / 200 µm PVC	Clear or white	0.09
	Ultrx3000/250	76 µm Ultrx3000 Aclar® / 250 µm PVC	Clear or white	0.09
	Ultrx4000/200	102 µm Ultrx4000 Aclar® / 200 µm PVC	Clear or white	0.07
Ultrx4000/250	102 µm Ultrx4000 Aclar® / 250 µm PVC	Clear or white	0.07	
Polybar® COC	PP/COC/PP			
	COC 270	PP / 190 µm COC / PP	Any	0.43
	COC 320	PP / 240 µm COC / PP	Any	0.30
	COC 380	PP / 300 µm COC / PP	Any	0.23

*MVTR (Moisture Vapor Transmission Rate) flat sheet data at 38°C / 100% RH
Aclar® is a registered trademark of Honeywell

Applications

Polybar® barrier films are suitable for packaging the following applications:

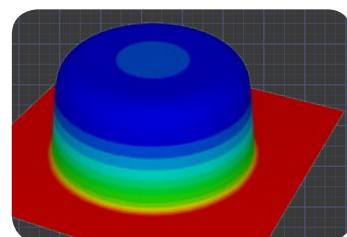
- Pharmaceutical tablets and capsules
- Liquids and syrups
- Special drug delivery systems
- Test kits used in biotech and diagnostic testing
- High barrier pipette films for animal health applications



Amcor Added Value Services

Blackbox™ simulation

Amcor offers Blackbox™ simulation for tooling design to predict how a formed blister pack will perform. By modelling the formed pack, the blister thickness and MVTR properties can be predicted, which can enable faster speed to market by optimizing material selection, tooling design and more.



Technical support

Amcor has an unrivalled team of pharmaceutical packaging specialists around the globe who can assist at every stage of the packaging process. The technical support teams have long-term relationships with machine suppliers and are experienced in package & tooling design as well as process optimization.



Other benefits

- All Polybar® structures comply with European Pharmacopoeia
- All structures listed in our DMF
- Global network to offer continuity of supply
- Global R&D innovation centres



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