

# High Barrier

## Foil and Film Laminations



### Material Science

Bemis Healthcare Packaging Europe, one of the most trusted packaging suppliers to the healthcare industry, brings unsurpassed high barrier technology and experience to the medical device, pharmaceutical and diagnostic industries. These high barrier foil and film laminations are engineered to maintain product efficacy and provide product protection from oxygen, moisture, chemical, UV light and visible light.

#### Republic of Ireland

Kilbeggan Rd, Clara,  
Co. Offaly, R35 F583  
Ireland

#### Northern Ireland

1 Acorn Road,  
Derry, BT47 3GQ  
Northern Ireland

#### UK

The Flarepath, Elsham Wold  
Industrial Estate, Brigg,  
DN20 0SP England

#### Exteriors available include:

- » **Clay coated paper** – providing an excellent surface for printing
- » **Biax-Oriented Polyamide (nylon)** – protects against surface abrasion, toughness and puncture resistance
- » **Biax-Oriented Polyester** – standard for most applications and can be trap printed to protect the graphics
- » **Higher gauge Biax-Oriented Polyamide (nylon)** – when child resistance is required for pharma applications

#### Inner Sealants include:

- » **Ionomer** – can be sealed through oily/wet contamination
- » **PET** – inert resin minimises product/package interaction for challenging applications such as iodine, with wider sealing window and strong seals
- » **CXB™ sealant** – an alternative to Barex® for a multitude of challenging drug applications
- » **EZ Peel® sealant** – provides engineered peel strength performance
- » **Custom designed sealants** – for frangible sealing of chambers

DuPont™ and Tyvek® are trademarks or registered trademarks of E.I. DuPont de Nemours and Company or its affiliates.

# High Barrier

## Technology and Expertise

- » Clear high barrier translucent laminates include both double aluminum oxide coated OPET and single aluminum oxide coated OPET.
- » Metallised polyester laminates offer very good moisture, oxygen and UV barrier.
- » Foil laminations with multiple types of exteriors, gauges of foil and custom designed sealants are also available.

Product Type	Description
<b>Paper Pouch</b>	40 GSM (25#) MG / clear PE / 7 $\mu$ (.00028) foil / Ionomer
	40 GSM (25#) C1S / clear PE / 7 $\mu$ (.00028) foil / Ionomer
	40 GSM (25#) C1S / clear PE / 9 $\mu$ (.00035) foil / LDPE coex
	40 GSM (25#) C1S / clear PE / 9 $\mu$ (.00035) foil / Ionomer
<b>Peelable Pouch</b>	12 $\mu$ (48 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / clear PE / 38 $\mu$ (1.5 mil) white EZ Peel®
	12 $\mu$ (48 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / clear PE / 38 $\mu$ (1.5 mil) clear EZ Peel®
	12 $\mu$ (48 ga) PET / clear PE coex / 9 $\mu$ (.00035) foil / clear PE / 38 $\mu$ (1.5 mil) clear EZ Peel®
	25 $\mu$ (100 ga) BON / white PE / 25 $\mu$ (1.0 foil) / 50 $\mu$ (2 mil) clear EZ Peel®
	12 $\mu$ (48 ga) OPET / white PE / 25 $\mu$ (1.0 foil) / 38 $\mu$ (1.5 mil) clear EZ Peel®
<b>Formable Foil</b>	15 $\mu$ (60 ga) BOPA / clear PE / 50 $\mu$ (2.0 foil) / 12 $\mu$ (7#) EAA
	15 $\mu$ (60 ga) BOPA / adh / 50 $\mu$ (2.0 foil) / adh / 25 $\mu$ (14#) EAA
<b>Clear High Barrier</b>	12 $\mu$ (48ga) Al2O3 PET / adh / 12 $\mu$ (48ga) Al2O3 PET / adh / 75 $\mu$ (3 mil) EZ Peel®
	12 $\mu$ (48 ga) Al2O3 PET / adh / 75 $\mu$ (3 mil) LLDPE
<b>Metallized Polyester</b>	OL / 12 $\mu$ (48 ga) OPET / Metallization / adh / 50 $\mu$ (2 mil) EZ Peel®
	OL / 12 $\mu$ (48 ga) OPET / Metallization / PE / 50 $\mu$ (2 mil) EZ Peel®
<b>Stick Pack</b>	12 $\mu$ (48 ga) PET / clear poly / 7 $\mu$ (.000285) foil / LLDPE
	12 $\mu$ (48 ga) PET / white poly coex / 7 $\mu$ (.000285) foil / LLDPE
<b>Barrier Pouch</b>	23 $\mu$ (92 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / adh / 51 $\mu$ (2 mil) CXB™
	23 $\mu$ (92 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / adh / 50 $\mu$ (2 mil) PET
<b>CR Pouch</b>	23 $\mu$ (92 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / LDPE coex
	23 $\mu$ (92 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / Ionomer
	23 $\mu$ (92 ga) PET / white PE coex / 9 $\mu$ (.00035) foil / EAA
<b>Frangible Pouch</b>	9 $\mu$ (36 ga) OPET / white PE coex / 12.5 $\mu$ (.0005) foil / adh / 9 $\mu$ (36 ga) OPET / adh / 50 $\mu$ (2 mil) Ionomer-based frangible sealant