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## **BIL FOIL POUCH**

**Material Code: BIL400-160x410**

### **Protection from Moisture for Medical Device Applications**

#### 1. PRODUCT DESCRIPTION:

A high performance Barrier Foil Zip Lock Pouch. The barrier foils are constructed with an overall foil thickness of 125 ( $\mu$ ) microns by laminating together 3 plies using a bonding layer coating. The net result of the material's construction is a flexible barrier with the lowest known water vapour transmission rate.

#### 2. PRODUCT CLASSIFICATION:

Barrier Foil manufactured from materials approved for food contact under the appropriate F & D Regulations and Defence Standards.

#### 3. TYPICAL PROPERTIES:

The following general data on flexible barrier laminate material is given for information purposes only:  
Note overall film thickness subject to +/- 5%

<b>Description:</b>	<b>Construction:</b>	<b>Laminate Layer :</b>
Outer foil:	12.0 $\mu$ PET	Mechanical strength / waterproof
Internal Coating:		Bonding Layer
Inner Foil Laminate:	8.0 $\mu$ Aluminium foil	Key Barrier
Internal Coating:		Bonding Layer
Inner Surface:	100.0 $\mu$ White LLDPE	Heat Sealable / Flexible Barrier Material

Total overall thickness	125 microns +/- 10%
Text:	Blank
Dimensions:	160mm (width) x 410mm (length) external

#### 4. PACKING:

In quantities of 1000 pouches, or as requested.

Flat cartons in suitably strong cardboard outer cartons identified with description, component number, date of fabrication, batch #, and quantity..

## 5. TECHNICAL VALUES & PERFORMANCE:

<u>Criterion</u>	<u>Value</u>	<u>Unit</u>	<u>Tolerance</u>	<u>Method</u>
Total Thickness:	100	microns	+ / - 10%	DIN 53370
Weight / m <sup>2</sup>	123	g / m <sup>2</sup>	+ / - 10%	DIN 53352
Laminating strength Alu/PE:	2.5	N / 15mm	min.	DIN 53357
Laminating Strength Alu/PETP:	2.5	N / 15mm	min.	DIN 53357
Bursting Strength:	4.1	kp	min.	DIN 55141
Load at rupture of aluminium:	68	N / 15mm	min.	
Stiffness in bend:	125	mN	+ / - 10%	
Water Vapour Transmission:	0.01	g/ (m <sup>2</sup> xDxbar)	max.	DIN53122
Oxygen Transmission:	not measurable	ml/ (m <sup>2</sup> xDxbar)		Oxtran
Carbon Dioxide Transmission:	not measurable	ml/ (m <sup>2</sup> xDxbar)		Oxtran
Grease barrier:	Yes			
Temperature Resistance:	+125 / -60	°C		
UV-resistance:	Yes			
Seal Strength:	30	N / 15mm	min.	DIN 53455

## 6. RECOMMENDED APPLICATIONS:

Primarily used for protection of Food, Pharmaceuticals, Vitamins, Diagnostics Kits, Medical Devices, Healthcare Products, Chemicals, Chemical Intermediates, Plastics, Pigments, etc. and generally where products need to be protected from the formation of bacterial growth, mould, and mildew. Whilst maintaining product integrity, stability and extending shelf-life for complete climatic protection. And generally used in conjunction with Desiccants, such as Silica Gel, Molecular Sieves, Activated Carbon, and Speciality Absorbers for nuisance molecules such as O<sub>2</sub>, CO<sub>2</sub>, Ethylene, Formaldehyde, etc.

## 7. STORAGE RECOMMENDATIONS:

Storage under normal conditions of temperature, humidity and pressure in a dry warehouse is recommended.

## 8. OTHER INFORMATION:

We hope the information given here will be helpful. It is based on data and knowledge, which we believe to be true and accurate and is offered for the user's consideration, investigation and verification. Accordingly, save in the event of gross negligence or wilful misconduct of our agents and ourselves we will not be liable for any damages resulting from errors, omissions or non-compliance of the information set forth herein. Further, please read all statements, recommendations or suggestions in conjunction with our General Conditions of Delivery, Performance and Payment, which limit our liability with respect to all goods, supplied by us. Test methods are available on request.