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# **BARRIER FOIL ROLL**

## **Material Code BIL 400**

### **Barrier Foil Bag for Protection**

#### **Product Information**

#### 1. **PRODUCT DESCRIPTION:**

A high performance Barrier Foil roll for cutting to size into individual flat bags or pouches and heat sealed with one end open. The barrier foils are constructed by laminating together 3 plies using adhesives or extrusion coating. The net result of the material's construction is a flexible barrier with the lowest known water vapour transmission rate.

#### 2. **PRODUCT CLASSIFICATION:**

The Barrier Foil is manufactured to be used for food contact under FDA regulations.

#### 3. **TYPICAL PROPERTIES:** **SILVER FINISH**

The following general data on a **silver finish** flexible barrier laminate material is given for information purposes only:

<b>Description:</b>	<b>Construction:</b>	<b>Laminate Layer :</b>
Outer foil:	2 $\mu$ PET	Mechanical strength / Waterproof
Inner Foil Laminate:	8 $\mu$ Aluminium foil	Key Barrier
Inner Surface:	100 $\mu$ White LLDPE	Heat Sealable / Flexible Barrier Material
Total Film Thickness:		125 $\mu$ Tolerances +/- 5%
Text:	Blank	
Dimensions:	Length: 400 meters Width: 1120 mm Diameter: 76 mm	
Sealing Conditions:	Temperature: 180°C - 200°C Dwell Time: 2 seconds Pressure: 2 bar (28.4 psi)	

#### 4. TECHNICAL VALUES & PERFORMANCE:

MVTR:	<0.05gms/m <sup>2</sup> /24hr	DIN 53 122
Tensile strength:	Tear MD: 13.6N	ISO 527
	Tear CD: 15.5N	ISO 527
Elongation:	MD: 50%	ISO 527
	CD: 50%	ISO 527
Puncture Strength	59N	ISO 527

#### 5. 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 Adsorbers for nuisance molecules such as O<sub>2</sub>, CO<sub>2</sub>, Ethylene, Formaldehyde, etc.

#### 6. PACKAGING INFORMATION:

In suitably strong cardboard outer cartons. Cartons will be identified with description, component number, date of fabrication, batch #, and quantity.

#### 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.