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BARRIER FOIL ROLL

Material Code BIL 500

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 the following Government Specifications: MIL-B-131 H Class 1, DEF STAN 81-75/2 Type 1 Grade A.

3. **TYPICAL PROPERTIES:** **ALUMINIUM FINISH**

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

Description:	Construction:	Laminate Layer :
Outer foil:	12 μ PET	Mechanical strength / waterproof
Inner Foil Laminate:	8 μ Aluminium foil	Key Barrier
Inner Surface:	80 μ White HDPE	Heat Sealable / Flexible Barrier Material
Total Film Thickness:		104 μ Tolerance +/- 5%

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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:

Basic Weight: (g / m ²)	115 / m ² approx.	EN 22 286
MVTR:	<0.05gms/m ² /24hr	DIN 53 122
Tensile strength:	Tear MD: 65 N/15mm	ISO 527
	Tear CD: 65 N/15mm	ISO 527
Elongation:	MD: 50%	ISO 527
	CD: 50%	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 O₂, CO₂, 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.