



www.browpharmapak.com

John C. Brow Ltd. T/A Brow Packaging
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Tel No: +44 (0)28 9079 8171

From ROI : 048 9079 8171

MOISTURE BARRIER FOIL

TFL2 Moisture Barrier Laminate

Construction

Polyester/ Aluminium Foil/ Polyethylene

TFL2 is a polyester/aluminium foil based moisture barrier laminate. Many different products require barrier foil packaging, either to protect from moisture or to prevent the escape of fluids, gasses or odours. TFL2 is a full international military specification aluminium foil laminate which is food-contact certified.

Physical Properties

<u>Property</u>	<u>Test Method</u>	<u>Results</u>
Weight	ISO 536	112 gr./m ²
Yield	ISO 536	8.9 m ² /Kg
Thickness's: -	ASTM D 1505.60T	98mu ± 10%
1 st Layer		14mu (12mu PET + 2mu adhesive layer)
2 nd Layer		9mu (7mu ALU + 2mu adhesive layer)
3 rd Layer		75mu (75mu White HDPE)
Tensile Strength:-		
M.D. (machine direction)	Def.Std.81-75/3 Annex H	75N/15mm
T.D. (transverse direction)	Def.Std.81-75/3 Annex H	75N/15mm
Puncture Strength:-	Def.Std.81-75/3 Annex I	69N
Tear Strength:-	BS ISO 34-1:2010	17/22N
Seal Strength (sealing conditions 180 °C / 2 seconds)		58N /15mm
Temperature Resistance		-40°C + 80°C
Water Vapour Transmission Rate	DIN 53 122	≤0.05 g r. / m ² / in 24 hrs 25 ^o C and 75% R.H.*
Oxygen Transmission Rate	DIN 53 380	≤0.006 cm ³ /m ² / in 24 hrs
*R.H. = Relative Humidity		



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Classification:

MIL-PRF-131J Class 1

DEF Standard 81-75/2

Type 1

Approvals:

The PE layer is approved for food contact under the Commission Regulation (EU) No. 10/2011 and amendments, USA: - FDA, CFR, TITLE 21, 177.1520-177.1350 – 178.2010 – 178.3297. The polyurethane adhesive does not leave any harmful contaminant. It complies with FDA 175.105, Germany BGVV no. XXVIII

Bags are available to order in any Size from:

3" x 3" to 48" x 48"

75 x 75mm to 1200mm x 1200mm

Bags will have an 8mm weld around the 3 welded sides.

Please inform us when quoting whether internal or external dimension is provided, to allow for the 8mm weld.

The values shown above were developed from random samples taken from production material. We believe them to be typical for this particular product. Because of normal lot to lot variations, actual values may vary somewhat from these depicted here. John C. Brow Ltd T/A Brow Packaging makes no warranty, express or implied; as to the suitability of these materials for any specific product. Consumers should determine product suitability through their own testing and evaluation

Effective date: 26/06/2014 Rev000