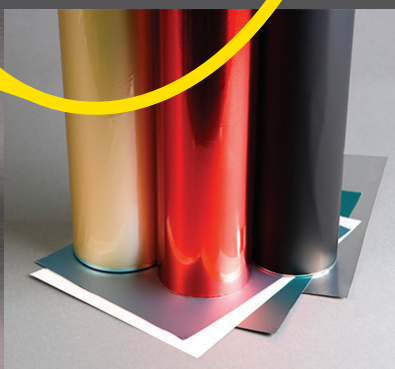




flexible

Industrial Material Specialists
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ALU / PET Laminate

Product:	Aluminium Polyester Laminate (ALU/PET)		
Type:	Laminate		
ALU/PET Tape is constructed of a soft annealed aluminium laminated to a polyester film. This product is typically utilised as a shielding layer in communication cables or where moisture blocking is required.			
Physical Properties		Grade	Metric Values¹
Thickness		ALU/PET 10/12	25um +/- 3um
		ALU/PET 10/25	38um +/- 4um
		ALU/PET 25/25	53um +/- 5um
Adhesive Colour		ALU/PET 10/12	BLUE
		ALU/PET 10/25	BLUE
		ALU/PET 25/25	GOLD
Yield		ALU/PET 10/12	46.90g/m ²
		ALU/PET 10/25	65.10g/m ²
		ALU/PET 25/25	105.75g/m ²
Tensile Strength *		ALU/PET 10/12	≥ 10.0 kgf/mm ²
		ALU/PET 10/25	≥ 12.0 kgf/mm ²
		ALU/PET 25/25	≥ 9.0 kgf/mm ²
Elongation		ALU/PET 10/12	≥20%
		ALU/PET 10/25	≥25%
		ALU/PET 25/25	≥20%
* Tensile Strength Test:			
Sample Tape Width= 15mm, marking distance 150mm, at tensile speed of 200mm/min.			
Tensile Strength = P / A, Break Strength = P / W, Elongation = (L - L1) / L1			
P = Max. Weight at Break, A = Sampled Dimension (TxW), W = Sampled Width.			
L1 = marking distance before break, L = marking distance after break.			
Winding:			
Product can be specified with Aluminium wound <i>INSIDE</i> or <i>OUTSIDE</i> .			
Shelf Life:			
Six months when kept at 24°C and 50% Relative Humidity in original unopened packaging.			

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ALU / PE Laminate

Product:	Aluminium Copolymer Laminate (ALU/PE)		
Type:	Laminate		
ALU/PE Tape is constructed of a soft annealed aluminium coated with an ethylene copolymer on one or both sides. This product is typically utilised as a moisture barrier in cable applications.			
Physical Properties		Grade	Metric Values¹
Thickness		ALU/PE 150/50	200um +/- 10um
		ALU/PE 200/50	250um +/- 10um
Appearance		ALU/PE 150/50	Natural
		ALU/PE 200/50	Natural
Yield		ALU/PE 150/50	452.8g/m ²
		ALU/PE 200/50	588.3g/m ²
Tensile Strength *		ALU/PE 150/50	≥ 53 MPA
		ALU/PE 200/50	≥ 53 MPA
Elongation		ALU/PE 150/50	≥14%
		ALU/PE 200/50	≥14%
* Tensile Strength Test:			
Sample Tape Width= 25mm, marking distance 150mm, at tensile speed of 200mm/min. Tensile Strength = P / A, Break Strength = P / W, Elongation = (L - L1) / L1 P = Max. Weight at Break (kgf), A = Sampled Dimension (TxW), W = Sampled Width. L1 = marking distance before break, L = marking distance after break.			
Winding:			
Product is wound with Aluminium Side facing Outside			
Shelf Life:			
Six months when kept at 24°C and 50% Relative Humidity in original unopened packaging.			

Note:

¹ Values are typical laboratory averages. The results should therefore only be regarded as a general guide to material properties and not as design data. Multapex Pty Ltd makes no representations as to the suitability of this material for any application. Customers must conduct their own testing for each specific application.

Caution:

Do not use in medical applications involving the permanent implantation in the human body. For other medical applications please review with Multapex Pty Ltd. Multapex Pty Ltd accepts no liability for use of its products in medical applications. Multapex Pty Ltd supplies products to an agreed specification and does not manufacture products designed specifically for medical end use.

General:

In addition to the above Multapex Pty Ltd's standard "Terms & Conditions of Trade" apply. A copy can be provided on request.



About Us

Multapex is an Australian business which utilises flexible materials to create unique solutions for our customers.

We are passionate about working with you to gain a deep knowledge of your application and tailoring a product to match. With over 40 years' experience, we can be trusted to collaborate with your team and deliver.

Multapex was founded in 1976 with a 'customer first' philosophy. Today this focus permeates our organisation as we continually strive to create value for our clients.

Our Values

Knowledge

We invest time and resources to acquire knowledge across all areas of our business – customers, suppliers, industries, materials, processes, next-gen, education.

Precision

We are precise and detail orientated in everything we do – conversion, processes, systems, delivery, interactions, finances.

Flexibility

We are flexible in our approach and mindset which allows us to solve whatever challenge is presented to us.

Dedication

We are committed to pursuing every opportunity and challenge with zeal to achieve the desired result.



Get in touch

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