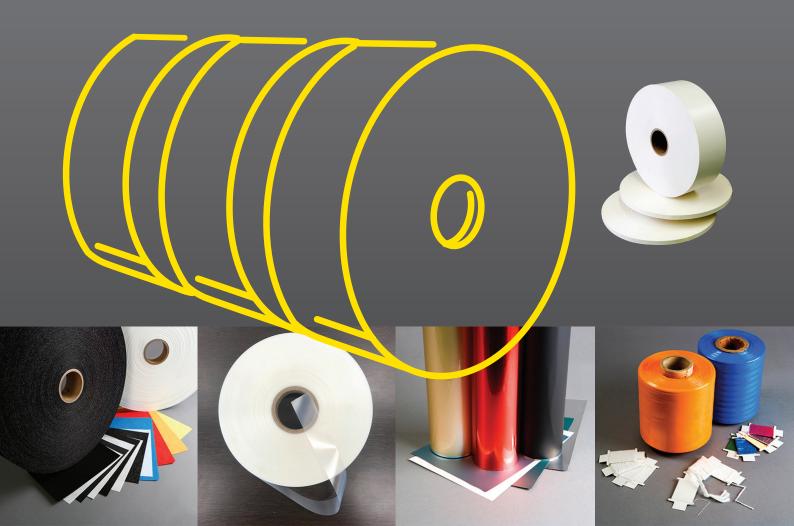




blexible

Industrial Material Specialists Design. Source. Deliver.





Multapex PET Elec Plain

Product:	Mul	tapex PET Elec	Plain								
Туре:	Poly	ester Film									
Multapex PET Elec Plain is a slightly ha release, and other general purpose in	•			dling pr	operties	s utilise	d for ele	ectrical	nsulatio	on, lami	nation
Properties		Test Method	Units	Metric Values ¹							
General											
Thickness		MPEX	um	12	19	23	36	50	75	100	125
Yield		MPEX	m ² /kgs	59.5	37.5	31	19.8	14.3	9.5	7.14	5.71
Density		ASTM-D-1505	g/cc				1	.4			
Service Temperature		MPEX	°C	-70-150							
Mechanical											
Tensile Strength	MD	ASTM-D-882	kg/cm ²	2000	2000	2000	2000	2000	1900	1900	1900
-	TD	ASTM-D-882	kg/cm ²	2000	2000	2000	2000	2000	1900	1900	1900
Elongation	MD	ASTM-D-882	%	120	120	120	140	140	140	140	140
	TD	ASTM-D-882	%	100	100	100	130	130	130	140	140
COF - Static (One Side to Other)		ASTM-D-1894	-	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
Optical											
Haze		ASTM-D-1003	%	4.0	4.0	5.0	8.0	10.0	10.0	10.0	10.0
Thermal											
Shrinkage @ 150°C for 30 Mins	MD	ASTM-D-1204	%	2.0	2.0	1.4	1.2	1.2	1.2	1.2	1.2
	TD		%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Melting Point		DSC	°C	250							
Electrical											
Break Down Voltage in air (2" Electrode)		ASTM-D-149	KV	3.5	4.5	5.5	7.5	9.5	12.5	13.5	15.5
Surface Resistivity		ASTM-D-257	Ohm	10.12							
Volume Resistivity		ASTM-D-257	Ohm/m								
Chemical Resistance											
Dilute Acids & Alkalis				Good							
Concentrated Alkalis				Poor							
Concentrated Hydrochloric Acid				Fair							
Concentrated Sulphuric Acid				Poor							
Grease, Oils, & Fats				Good							
Organic Solvents, Alcohol & Hydrocarbons				Good							
Ketones, Esters, & Chlorinated Compounds				Fairly Good							
Phenols, Cresols, & Chlorinated Phenols				Poor							
		apex Stock Grad ial Order - Can l									



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.