



flexible

Packaging Specialists

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BOPP Packaging Film – Plain / Treated

Product:	Multapex BOPP PACK						
Type:	Polypropylene Film						
Multapex BOPP Pack is a coextruded glossy film available with one or two side corona treated.							
Properties		Test Method	Units	Metric Values¹			
General				Convertor Plain			
Thickness		MPEX	um	15	18	20	25
Yield		MPEX	m ² /kgs	73.66	61.39	55.25	44.1
Density		ASTM-D-1505	g/cc	0.95	0.95	0.95	0.95
Wetting Tension - Corona		ASTM-D-2578	dyne/cm	38	38	38	38
COF - Static (One Side to Other)		ASTM-D-1894	-	0.3-0.4			
Mechanical							
Tensile Strength	MD	ASTM-D-882	kg/cm ²	1200-1500			
	TD	ASTM-D-882	kg/cm ²	2200-2800			
Elongation	MD	ASTM-D-882	%	150-200			
	TD	ASTM-D-882	%	40-80			
Optical							
Gloss 45°		ASTM-D-2457	Gardner	92-95			
Haze (Max)		ASTM-D-1003	%	1.0-2.0			
Thermal							
Shrinkage @ 120°C for 5 Min	MD	ASTM-D-1204	%	2.0-4.0			
	TD	ASTM-D-1204	%	0.5-2.5			
Minimum Seal Temp		MPEX	°C	-	-	-	-
Heat Seal Strength		MPEX	g/25mm	-	-	-	-

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.

BOPP Packaging Film – Heat Seal

Product:	Multapex BOPP PACK Heat Seal									
Type:	Polypropylene Film									
Multapex BOPP Pack Heat Seal is a coextruded, two side heat sealable, one side corona treated, biaxially oriented film. This film is general purpose film for use in printing and lamination.										
Properties	Test Method	Units	Metric Values¹							
General			Heat Sealable - One Side Corona							
Thickness	MPEX	um	15	18	20	25	30	35	40	
Yield	MPEX	m ² /kgs	73.66	61.39	55.25	44.1	36.83	31.57	27.62	
Density	ASTM-D-1505	g/cc	0.905	0.905	0.905	0.905	0.905	0.905	0.905	
Wetting Tension - Corona	ASTM-D-2578	dyne/cm	38	38	38	38	38	38	38	
COF - Static (One Side to Other)	ASTM-D-1894	-	0.3-0.4							
Mechanical										
Tensile Strength	MD	ASTM-D-882	kg/cm ²	1200-1500						
	TD	ASTM-D-882	kg/cm ²	2200-2800						
Elongation	MD	ASTM-D-882	%	140-200						
	TD	ASTM-D-882	%	40-80						
Optical										
Gloss 45°		ASTM-D-2457	Gardner	88-92						
Haze (Max)		ASTM-D-1003	%	1.5-2.5	1.5-2.5	1.5-2.5	1.8-2.8	1.8-2.8	1.8-2.8	
Thermal										
Shrinkage @ 120°C for 5 Min	MD	ASTM-D-1204	%	2.0-4.0						
	TD	ASTM-D-1204	%	0.5-2.5						
Minimum Seal Temp		MPEX	°C	115-118						
Heat Seal Strength		MPEX	g/25mm	400	425	450	475	500	525	550

Note:

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BOPP Packaging Film - Metallised

Product:	Multapex BOPP PACK Met Heat Seal					
Type:	Polypropylene Film					
Multapex BOPP Pack Met Heat Seal is a coextruded film, with one side metallised and one side heat sealable.						
Properties		Test Method	Units	Metric Values¹		
General				Metallised Heat Sealable		
Thickness		MPEX	um	15	18	20
Yield		MPEX	m ² /kgs	73.66	61.39	55.25
Density		ASTM-D-1505	g/cc	0.905	0.905	0.905
Wetting Tension - Corona		ASTM-D-2578	dyne/cm	-	-	-
COF - Static (One Side to Other)		ASTM-D-1894	-	0.25-0.35		
Mechanical						
Tensile Strength	MD	ASTM-D-882	kg/cm ²	1200-1500		
	TD	ASTM-D-882	kg/cm ²	2200-2800		
Elongation	MD	ASTM-D-882	%	140-200		
	TD	ASTM-D-882	%	40-80		
Optical						
Gloss 45°		ASTM-D-2457	Gardner	-		
Optical Density		MPEX	-	2.0	2.0	2.0
Thermal						
Shrinkage @ 120°C for 5 Min	MD	ASTM-D-1204	%	3.0-5.0		
	TD	ASTM-D-1204	%	2.0-3.0		
Minimum Seal Temp		MPEX	°C	118		
Heat Seal Strength		MPEX	g/25mm	400	425	450

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:

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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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