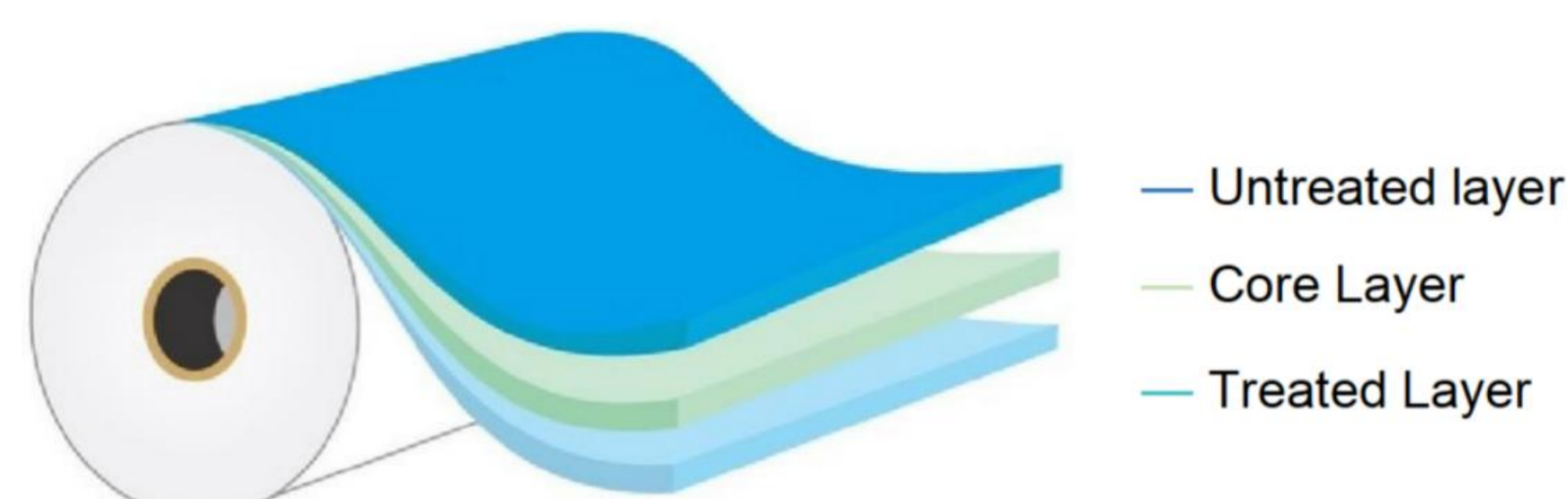


Aluminum Lamination Film

23MK 10.5 μ m

Structure



Description

Transparent metallizable film with low heat shrinkage, surface tension ≥ 40 dyn/cm; inner-side corona treated with heat-sealable corona side for optimized adhesion and sealing.

Application

After metallization, laminated with woven sacks, non-woven fabrics, or PE films; extensively used in grain packaging, non-woven shopping bags, and courier bags for enhanced durability and barrier performance.

Technical Data

Properties	Ref.	Units	ASTM #/ Test Method	23MK		
Physical Data						
Average Thickness		micron	D-374-C	10.5	12	15
		gauge		41	47	59
		mils		0.4	0.5	0.6
Thickness Variation		%(\pm)		5		
Density		g/cc		0.905		
Average Substance		g/m		9.5	10.9	13.6
Surface tension(min)		dynes/cm	D-2578	≥ 40		
Kinetic COF	UT-UT		D-1894	0.4-0.6		
Yield		m ² /Kg	D-4321	105.2	92.1	73.7
		in ² /lb	D-4321	73988	64739	51792
Optical Data						
Gloss(45)		gardner	D-2457	≥ 95		
Haze		%	D-1003	≤ 2.0		
Mechanical Data						
Tensile Strength	MD	kg/cm	D-882	130-170		
	TD			230-330		
Elongation at break	MD	%	D-882	150-180		
	TD			45-60		
Thermal Data						
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	3.0-4.0		
	TD			1.0-2.0		
Seal Initiation Temp	UT	°C/F	CTM	120-130		
SIT Variation(\pm)		°C/F	CTM	5		
Heat Seal Strength	UT	g/15mm	CTM	≥ 255		
HotTack Strength		g/15 mm	@125°C	330		
			@257°F			
Barrier Data						
MVTR(38°C,90%RH)		g/(m ² ·day)	F-1249	6.0-10	5.3-6.5	
MVTR(10B,90%RH)		g/100i/day		0.39-0.65	0.34-0.42	

The values given in the above table are typical performance data for reference only.
If you have special requirements for product performance indexes, please communicate with business manager.

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