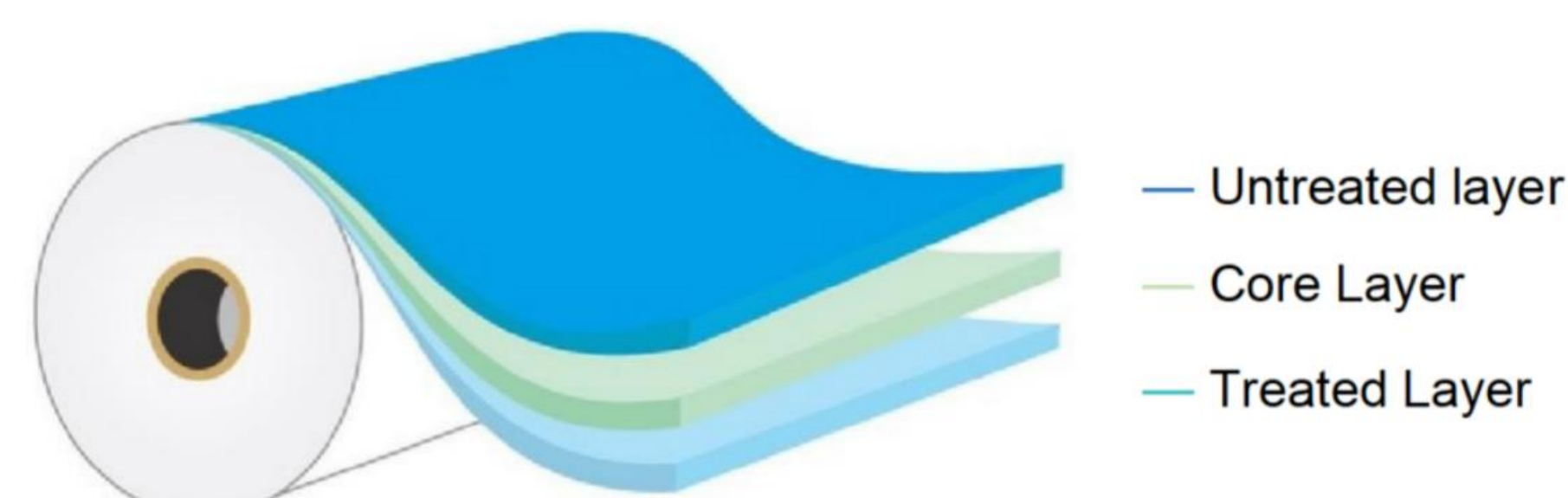


# Aluminum Lamination Film

## 23MK 12 $\mu$ m

### Structure



### Description

Transparent metallizable film with low heat shrinkage, surface tension  $\geq 40$  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		
<b>Physical Data</b>						
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	$\geq 40$		
Kinetic COF	UT-UT		D-1894	0.4-0.6		
Yield		m <sup>2</sup> /Kg	D-4321	105.2	92.1	73.7
		in <sup>2</sup> /lb	D-4321	73988	64739	51792
<b>Optical Data</b>						
Gloss (45)		gardner	D-2457	$\geq 95$		
Haze		%	D-1003	$\leq 2.0$		
<b>Mechanical Data</b>						
Tensile Strength	MD	kg/cm	D-882	130-170		
	TD			230-330		
Elongation at break	MD	%	D-882	150-180		
	TD			45-60		
<b>Thermal Data</b>						
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	$\geq 255$		
HotTack Strength		g/15 mm	@125°C	330		
			@257°F			
<b>Barrier Data</b>						
MVTR (38°C, 90%RH)		g/(m <sup>2</sup> ·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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