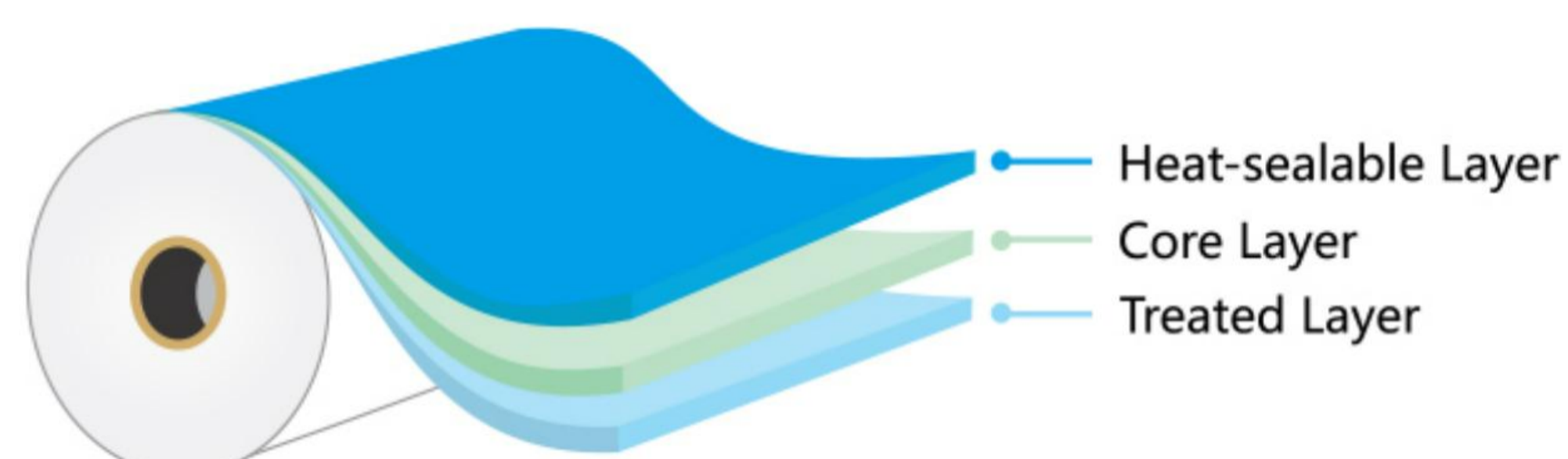


Single-sided Heat-sealable Film

21H

Technical Data

Structure



Description

Transparent film with heat-sealable outer surface, heat seal initiation temperature $\geq 115^{\circ}\text{C}$, inner-side corona treated, and adjustable coefficient of friction upon request.

Application

Designed for partial printing and individual packaging of small items; compatible with VFFS and HFFS packaging machines and lamination bag production.

Properties	Ref.	Units	ASTM #/ Test Method	21H		
Physical Data						
Average Thickness		micron	D-374-C	25	30	40
		gauge		98	118	157
		mils		1.0	1.2	1.6
Thickness Variation		%(\pm)		3		
Density		g/cc		0.910		
Average Substance		g/m		22.6	27.2	36.2
Surface tension(min)		dynes/cm	D-2578	≥ 38		
Kinetic COF	UT-UT		D-1894	0.25-0.35		
Yield		m ² /Kg	D-4321	44.2	36.8	27.6
		in ² /lb	D-4321	31075	25896	19422
Optical Data						
Gloss(45)		gardner	D-2457	≥ 90		
Haze		%	D-1003	≤ 3.0		
Mechanical Data						
Tensile Strength	MD	kg/cm	D-882	120-160		
	TD			230-300		
Elongation at break	MD	%	D-882	140-180		
	TD			50-65		
Thermal Data						
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	2.0-4.0		
	TD			1.0-2.5		
Seal Initiation Temp	UT	°C/F	CTM	115-130		
SIT Variation(\pm)		°C/F	CTM	5		
Heat Seal Strength	UT	g/15mm	CTM	≥ 255		
HotTack Strength		g/15mm	@125°C	330	350	
			@257°F			
Barrier Data						
MVTR(38°C,90%RH)		g/(m ² ·day)	F-1249	3.5~6.0		2.5~3.9
MVTR(10B,90%RH)		g/100i/day		0.23~0.39		0.16~0.2

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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