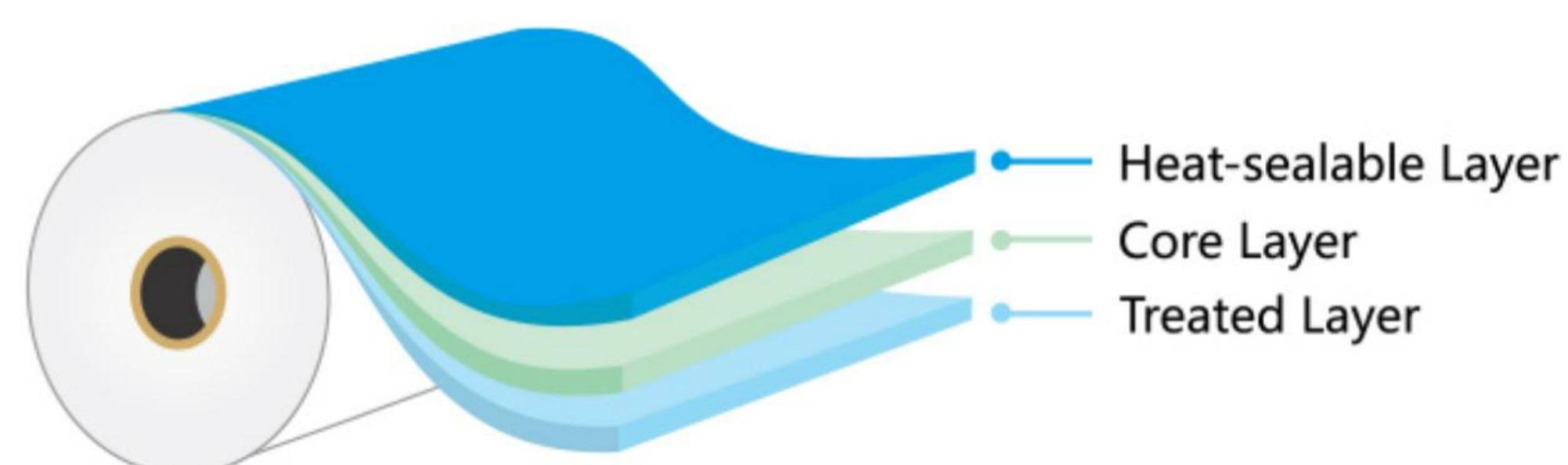


# Single-sided Heat-sealable Film

## 21H 30μm

### 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		
<b>Physical Data</b>						
Average Thickness		micron	D-374-C	25	30	40
		gauge		98	118	157
		mils		1.0	1.2	1.6
Thickness Variation		%(±)		3		
Density		g/cc		0.910		
Average Substance		g/m		22.6	27.2	36.2
Surface tension(min)		dynes/cm	D-2578	$\geq 38$		
Kinetic COF	UT-UT		D-1894	0.25-0.35		
Yield		m <sup>2</sup> /Kg	D-4321	44.2	36.8	27.6
		in <sup>2</sup> /lb	D-4321	31075	25896	19422
<b>Optical Data</b>						
Gloss(45)		gardner	D-2457	$\geq 90$		
Haze		%	D-1003	$\leq 3.0$		
<b>Mechanical Data</b>						
Tensile Strength	MD	kg/cm	D-882	120-160		
	TD			230-300		
Elongation at break	MD	%	D-882	140-180		
	TD			50-65		
<b>Thermal Data</b>						
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(±)		°C/F	CTM	5		
Heat Seal Strength	UT	g/15mm	CTM	$\geq 255$		
HotTack Strength		g/15mm	@125°C	330	350	
			@257°F			
<b>Barrier Data</b>						
MVTR(38°C,90%RH)		g/(m <sup>2</sup> ·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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