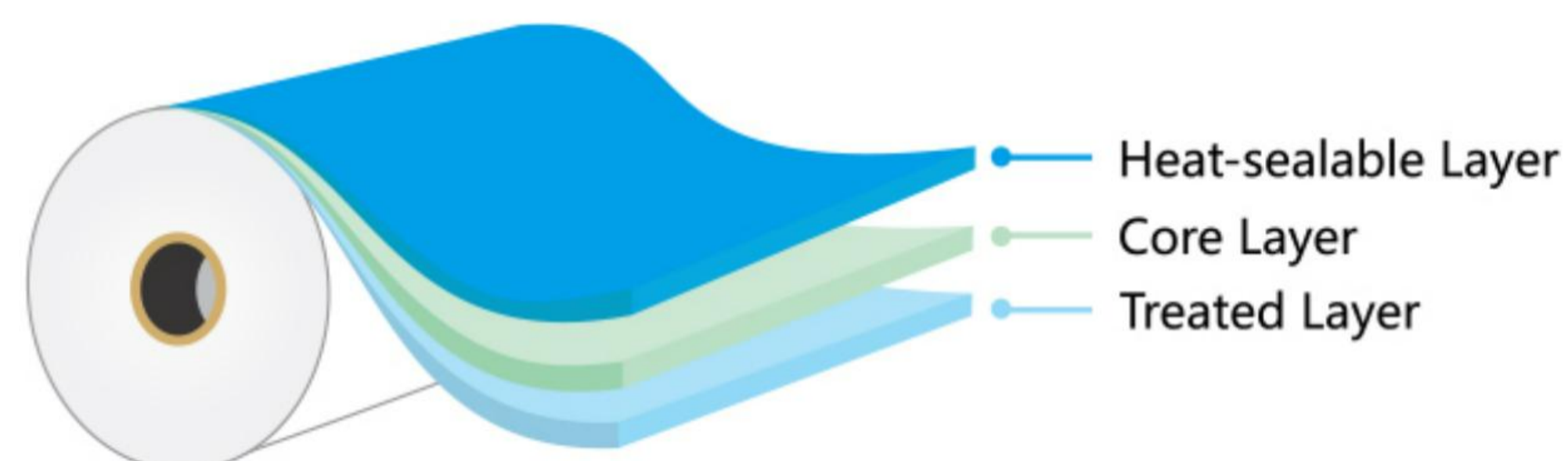


Single-sided Heat-sealable Film

21H 25μm

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		%(±)		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(±)		°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.

FOROP Advanced Materials Co., Ltd.

Address: No.166 Fuju Road, Yinxi Street, Fuqing City, Fuzhou City, Fujian Province, China
Email: sales@sino-forop.com | <https://sales.forop.com>

Update date:08/25