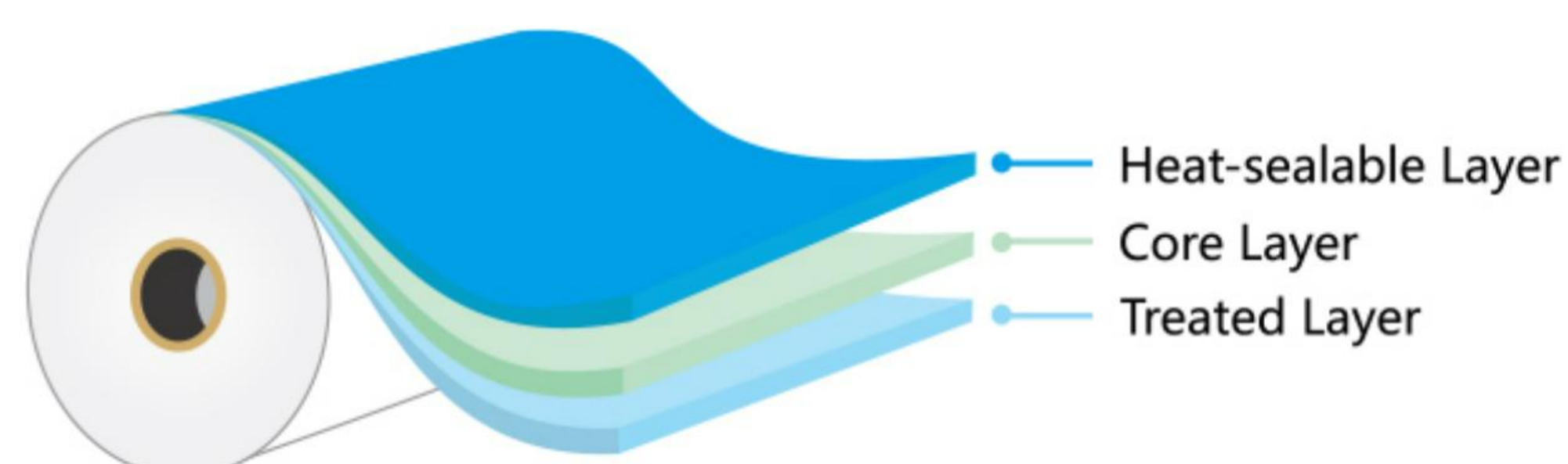


Anti-Fog Film

HB01 40μm

Technical Data

Structure



Description

Transparent film with high smoothness and dual-sided anti-fog properties; excellent heat seal and heat cut performance, ideal for efficient bag manufacturing.

Application

Widely used in packaging for fresh produce, processed meats, frozen foods, and other fresh products, providing effective anti-fogging and freshness retention.

Properties	Ref.	Units	ASTM #/ Test Method	HB01			
Physical Data							
Average Thickness		micron	D-374-C	20	25	30	40
		gauge		79	98	118	157
		mils		0.8	1.0	1.2	1.6
Thickness Variation		%(±)		3			
Density		g/cc		0.905			
Average Substance		g/m		18.1	22.6	27.2	36.2
Surface tension(min)	IN	dynes/cm	D-2578	≥38			
	out			≥36			
Kinetic COF	UT-UT		D-1894	0.15-0.35			
Yield		m ² /Kg	D-4321	55.2	44.2	36.8	27.6
		in ² /lb	D-4321	38844	31075	25896	19422
Optical Data							
Gloss(45)		gardner	D-2457	≥85			
Haze		%	D-1003	≤3.0			
Mechanical Data							
Tensile Strength	MD	kg/cm	D-882	130-150			
	TD			210-310			
Elongation at break	MD	%	D-882	150-200			
	TD			50-65			
Thermal Data							
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	2.0-4.0			
	TD			1.0-2.0			
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	>380		>410	
			@257°F				
Barrier Data							
MVTR(38°C,90%RH)		g/(m ² ·day)	F-1249	4.0~4.8	3.0~4.8	2.5~3.3	1.5~2.6
MVTR(10B,90%RH)		g/100i/day		0.26~0.31	0.19~0.31	0.16~0.22	0.10~0.17

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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