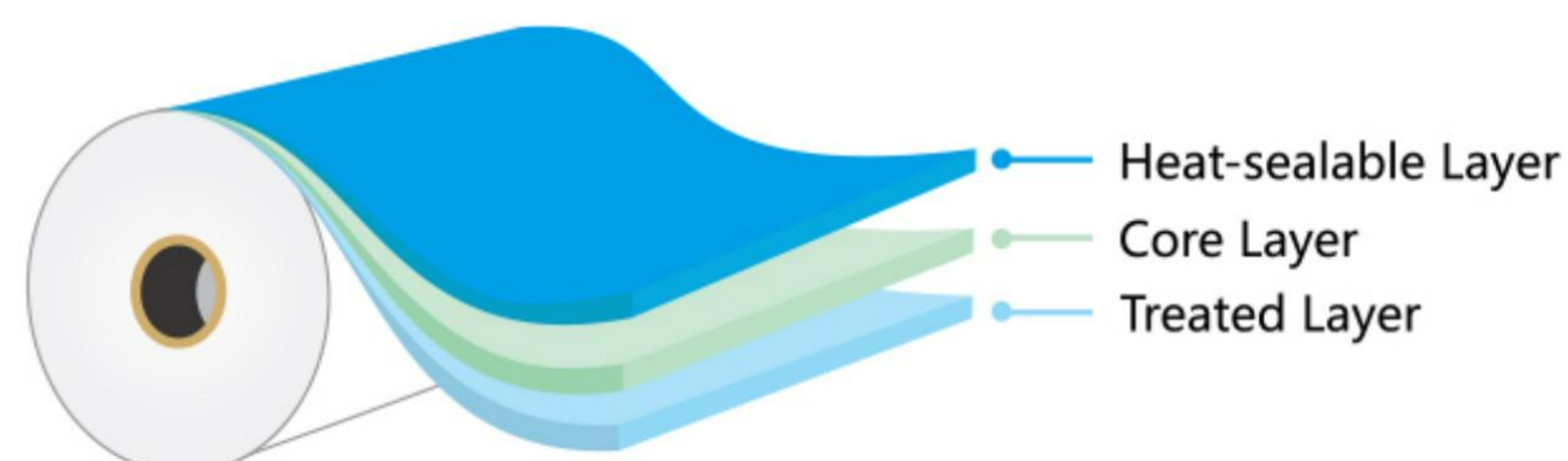


# Anti-Fog Film

## HB01

### 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			
<b>Physical Data</b>							
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 <sup>2</sup> /Kg	D-4321	55.2	44.2	36.8	27.6
		in <sup>2</sup> /lb	D-4321	38844	31075	25896	19422
<b>Optical Data</b>							
Gloss(45)		gardner	D-2457	≥85			
Haze		%	D-1003	≤3.0			
<b>Mechanical Data</b>							
Tensile Strength	MD	kg/cm	D-882	130-150			
	TD			210-310			
Elongation at break	MD	%	D-882	150-200			
	TD			50-65			
<b>Thermal Data</b>							
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	2.0-4.0			
	TD			1.0-2.0			
Seal InitiationTemp	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				
<b>Barrier Data</b>							
MVTR(38°C,90%RH)		g/(m <sup>2</sup> ·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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