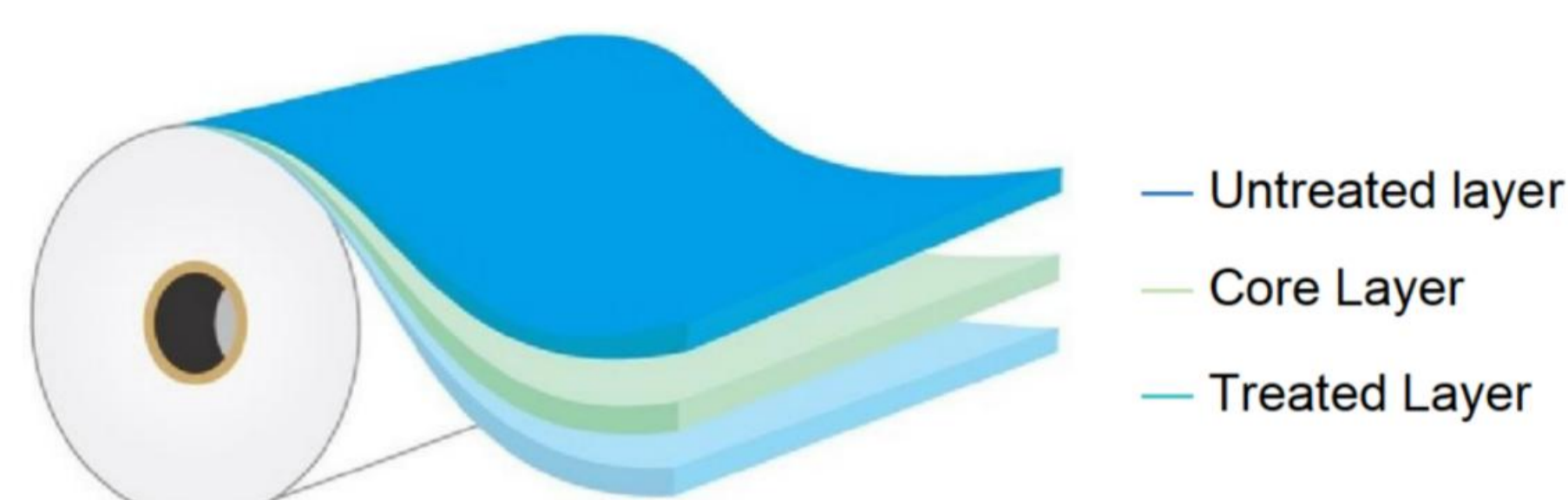


# Bag-making Film

## 14P 20 $\mu$ m

### Technical Data

#### Structure



#### Description

Transparent non-heat sealable BOPP film with inner-side corona treatment, offering excellent slip and easy-opening performance.

#### Application

Designed for mono-layer bag production via heat cutting, compatible with up to 4-color printing; not recommended for full-area printing.

Properties	Ref.	Units	ASTM #/ Test Method	14P				
<b>Physical Data</b>								
Average Thickness		micron	D-374-C	18	20	25	30	40
		gauge		71	79	98	118	157
		mils		0.7	0.8	1.0	1.2	1.6
Thickness Variation		%(±)		3				
Density		g/cc		0.905				
Average Substance		g/m		16.3	18.1	22.6	27.2	36.2
Surface tension(min)		dynes/cm	D-2578	≥38				
Kinetic COF	UT-UT		D-1894	0.20-0.30				
Yield		m <sup>2</sup> /Kg	D-4321	61.4	55.2	44.2	36.8	27.6
		in <sup>2</sup> /lb	D-4321	43160	38844	31075	25896	19422
<b>Optical Data</b>								
Gloss(45)		gardner	D-2457	≥90				
		%		≤2.0				
<b>Mechanical Data</b>								
Tensile Strength	MD	kg/cm	D-882	120-160				
	TD			230-320				
Elongation at break	MD	%	D-882	140-180				
	TD			50-65				
<b>Thermal Data</b>								
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	2.5-4.0				
	TD			0.5-2.0				
HotTack Strength		g/15mm	@125°C @257°F	330				
<b>Barrier Data</b>								
MVTR(38°C,90%RH)		g/(m <sup>2</sup> ·day)	F-1249	4.0~5.4	2.5~4.0	1.5~2.6		
MVTR(10B,90%RH)		g/100i/day		0.26~0.35	0.16~0.26	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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