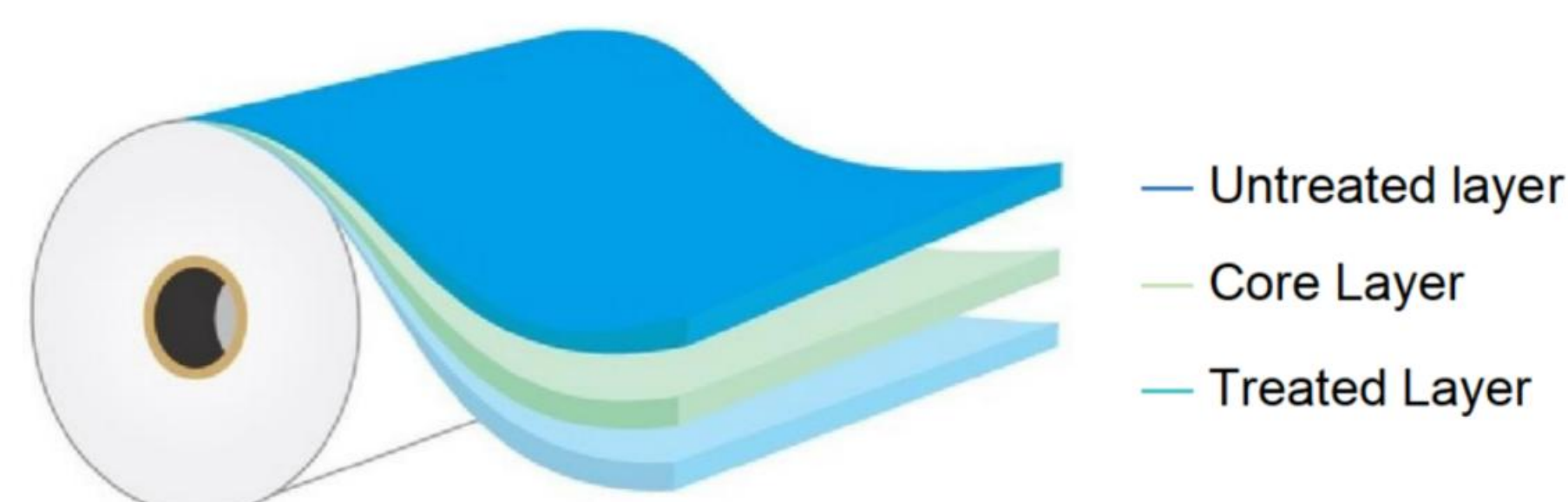


# High-transparency Tape Film

## 11C 40μm

### Technical Data

#### Structure



#### Description

High transparency tape base film with low crystal point defects, engineered for superior clarity and performance in adhesive tape applications.

#### Application

Base film designed for high-transparency adhesive tape applications, offering excellent clarity and consistent performance.

Properties	Ref.	Units	ASTM #/ Test Method	11C			
<b>Physical Data</b>							
Average Thickness		micron	D-374-C	23	25	28	40
		gauge		90	98	110	157
		mils		0.9	1.0	1.1	1.6
Thickness Variation		%(±)		3			
Density		g/cc		0.905			
Average Substance		g/m		20.8	22.6	25.3	36.2
Surface tension(min)		dynes/cm	D-2578	≥38			
Kinetic COF	UT-UT		D-1894	0.20-0.60			
Yield		m <sup>2</sup> /Kg	D-4321	48.0	44.2	39.5	27.6
		in <sup>2</sup> /lb	D-4321	33777	31075	27745	19422
<b>Optical Data</b>							
Gloss(45)		gardner	D-2457	≥95			≥90
Haze		%	D-1003	≤0.4			≤0.6
<b>Mechanical Data</b>							
Tensile Strength	MD	kg/cm	D-882	150-180			
	TD			250-330			
Elongation at break	MD	%	D-882	150-180			
	TD			30-60			
<b>Thermal Data</b>							
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	2.0-4.0			
	TD			1.0-2.0			
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	2.5~4.0	2.7~3.6	1.5~2.6	
MVTR(10B,90%RH)		g/100i/day		0.16~0.26	0.17~0.2	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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