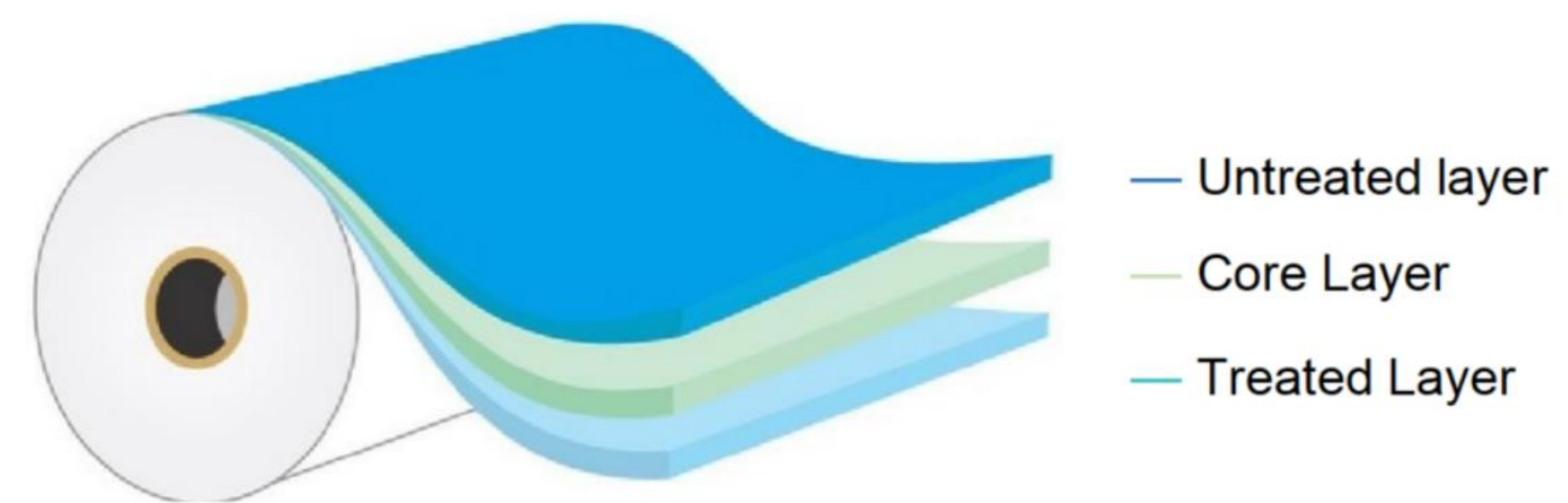


Transparent Tape Film

11T 20μm

Technical Data

Structure



Description

Transparent film with high coefficient of friction, featuring inner-side corona treatment to enhance surface energy and adhesion for improved printability and lamination.

Application

Widely used as a base film for adhesive tapes, offering excellent dimensional stability, surface treatment, and compatibility with various adhesive systems.

Properties	Ref.	Units	ASTM #/ Test Method	11T										
Physical Data														
Average Thickness		micron	D-374-C	18	20	23	24	25	28	29	30	40	45	50
		gauge		71	79	90	94	98	110	114	118	157	177	197
		mils		0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.6	1.8	2.0
Thickness Variation		%(±)		3										
Density		g/cc		0.910										
Average Substance		g/m		16.3	18.1	20.8	21.7	22.6	25.3	26.2	27.2	36.2	40.7	45.3
Surface tension(min)		dynes/cm	D-2578	≥38										
Kinetic COF	UT-UT		D-1894	0.4-0.6										
Yield		m ² /Kg	D-4321	61.4	55.2	48.0	46.0	44.2	39.5	38.1	36.8	27.6	24.6	22.1
		in ² /lb	D-4321	43160	38844	33777	32370	31075	27745	26789	25896	19422	17264	15537
Optical Data														
Gloss(45)		gardner	D-2457	≥95										
Haze		%	D-1003	≤2.0										
Mechanical Data														
Tensile Strength	MD	kg/cm	D-882	120-160										
	TD			250-350										
Elongation at break	MD	%	D-882	150-170										
	TD			50-65										
Thermal Data														
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			350			380				
Barrier Data														
MVTR(38°C,90%RH)		g/(m ² ·day)	F-1249	4.0~5.4			3.0~4.3			2.5~4.0			1.2~3.5	
MVTR(10B,90%RH)		g/100i/day		0.26~0.35			0.19~0.26			0.16~0.26			0.08~0.23	

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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