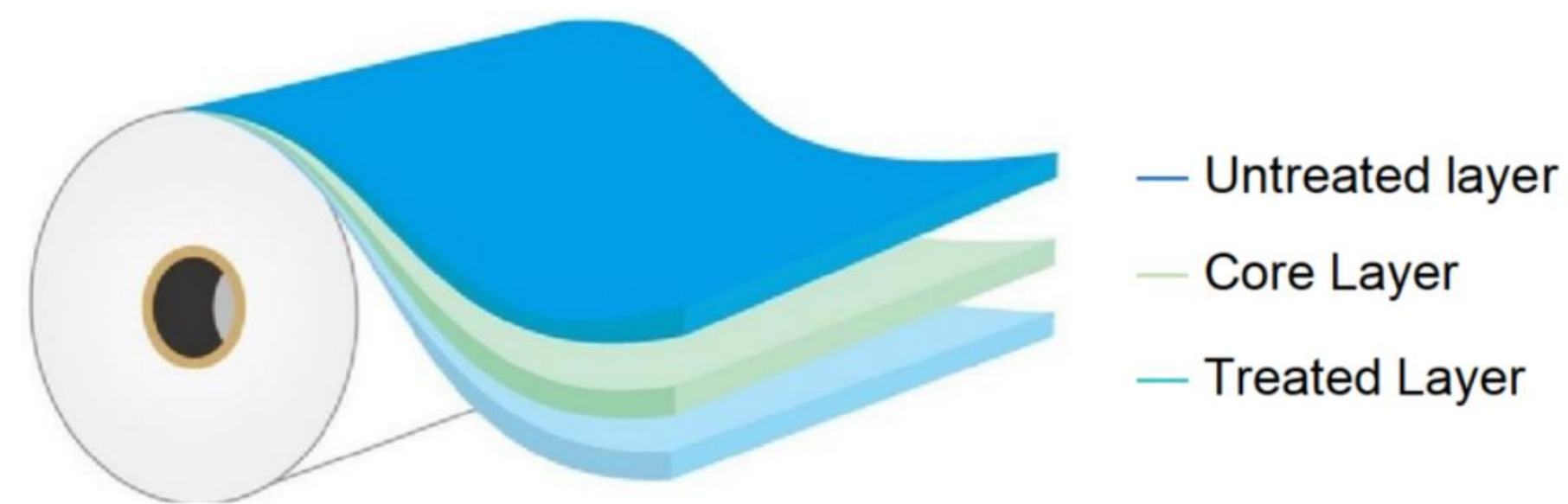


Transparent Tape Film

11T 18 μ m

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		%(\pm)		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	\geq 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	\geq 95											
Haze		%	D-1003	\leq 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 $^{\circ}$ C/248F,5 min.)	MD	%	D-1204	2.0-4.0											
	TD			1.0-2.0											
HotTack Strength		g/15mm	@125 $^{\circ}$ C @257 $^{\circ}$ F	330			350			380					
Barrier Data															
MVTR(38 $^{\circ}$ 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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