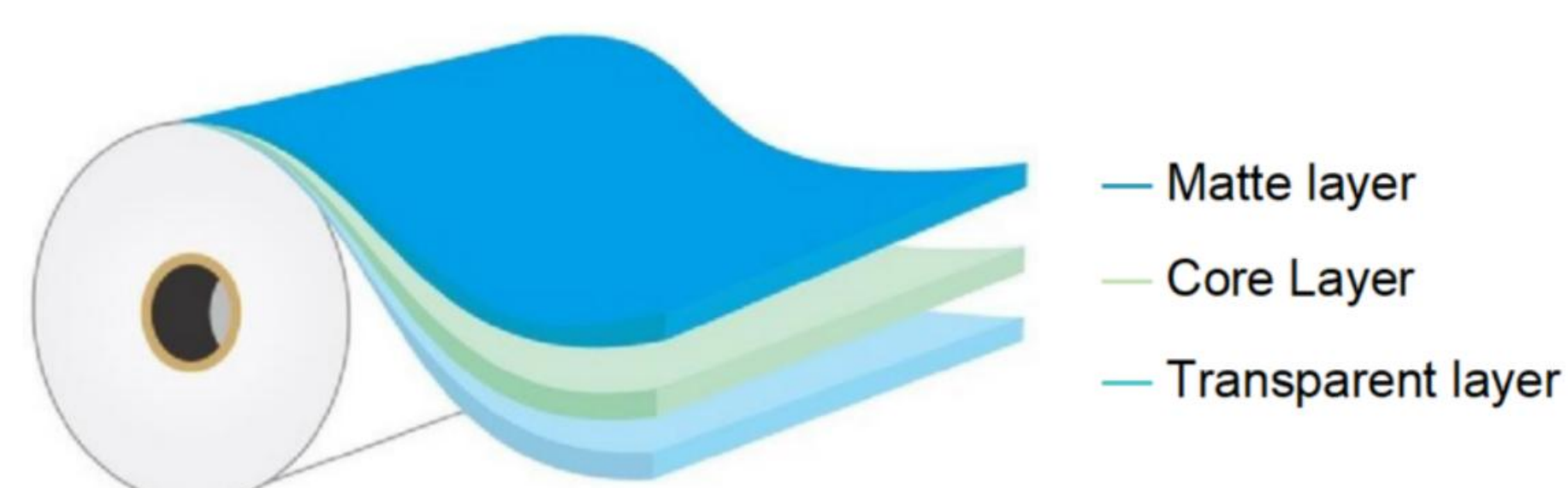


Matte Printing Packaging Film

21D 25 μ m

Technical Data

Structure



Description

Matte film with a single-side matte finish and an inner glossy side that is corona treated for enhanced adhesion.

Application

Used for composite bag production following general printing, suitable for various bag types including three-side seal, quad-seal, and stand-up pouches.

Properties	Ref.	Units	ASTM #/ Test Method	21D				
Physical Data								
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		%(\pm)		3				
Density		g/cc		0.840				
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	0.25-0.35				
Yield		m ² /Kg	D-4321	61.4	55.2	44.2	36.8	27.6
		in ² /lb	D-4321	43160	38844	31075	25896	19422
Optical Data								
Gloss(45)		gardner	D-2457	≤ 11				
Haze		%	D-1003	≥ 75				
Mechanical Data								
Tensile Strength	MD	kg/cm	D-882	110-150				
	TD			210-300				
Elongation at break	MD	%	D-882	140-180				
	TD			50-65				
Thermal Data								
Shrinkage (120 $^{\circ}$ C/248F,5 min.)	MD	%	D-1204	2.0-4.5				
	TD			1.0-2.0				
Seal Initiation Temp	UT	$^{\circ}$ C/F	CTM	≥ 130				
SIT Variation(\pm)		$^{\circ}$ C/F	CTM	> 5				
Heat Seal Strength	UT	g/15mm	CTM	> 205				
HotTack Strength		g/15mm	@125 $^{\circ}$ C	330				350
			@257 $^{\circ}$ F					
Barrier Data								
MVTR(38 $^{\circ}$ C,90%RH)		g/(m ² ·day)	F-1249	5.0~6.7	3.0~4.8	2.0~3.1		
MVTR(10B,90%RH)		g/100i/day		0.32~0.43	0.19~0.31	0.13~0.20		

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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