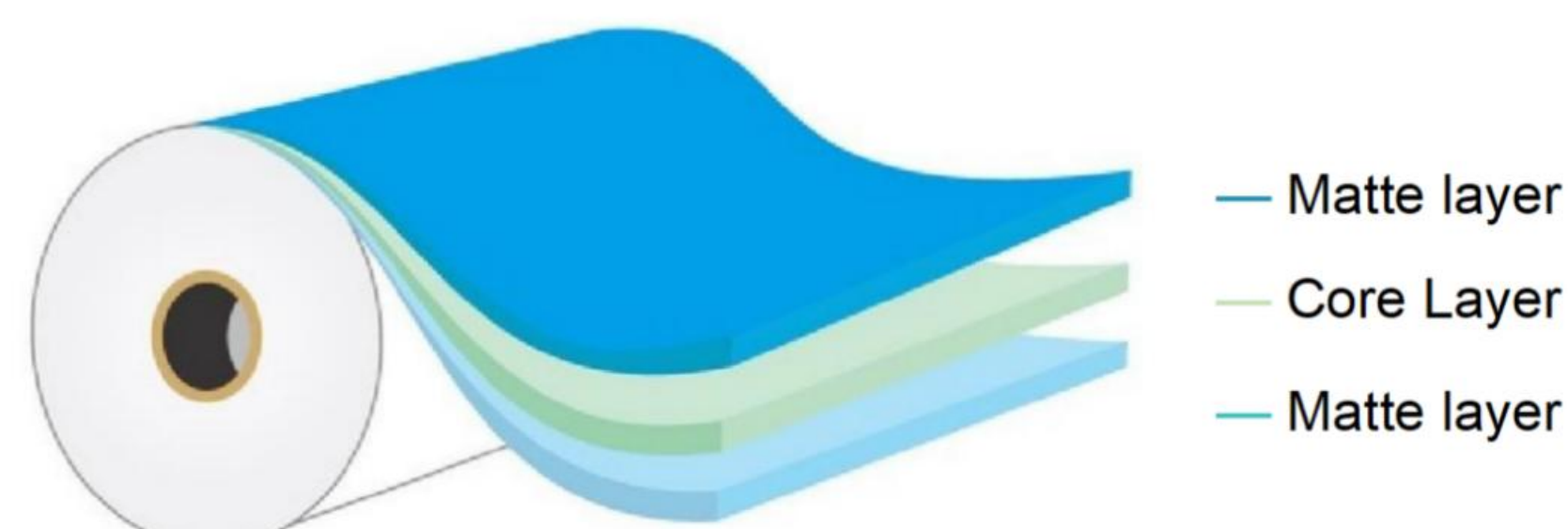


# Matte Flower Packaging Film

## 11D 15 $\mu$ m

### Structure



### Description

Double-side matte film with high haze and inner side corona treated for enhanced surface energy and adhesion.

### Application

Used for printing and packaging fresh flower bouquets, supporting high-demand shallow screen printing (such as portraits) and composite applications.

### Technical Data

Properties	Ref.	Units	ASTM #/ Test Method	11D					
<b>Physical Data</b>									
Average Thickness		micron	D-374-C	15	20	25	30	40	50
		gauge		59	79	98	118	157	197
		mils		0.6	0.8	1.0	1.2	1.6	2.0
Thickness Variation		%( $\pm$ )		3					
Density		g/cc		0.840					
Average Substance		g/m		13.6	18.1	22.6	27.2	36.2	45.3
Surface tension(min)		dynes/cm	D-2578	$\geq 38$					
Kinetic COF	UT-UT		D-1894	0.25-0.35					
Yield		m <sup>2</sup> /Kg	D-4321	73.7	55.2	44.2	36.8	27.6	22.1
		in <sup>2</sup> /lb	D-4321	51792	38844	31075	25896	19422	15537
<b>Optical Data</b>									
Gloss(45)		gardner	D-2457	$\leq 10$					
Haze		%	D-1003	$\geq 85$					
<b>Mechanical Data</b>									
Tensile Strength	MD	kg/cm	D-882	110-150					
	TD			210-300					
Elongation at break	MD	%	D-882	140-180					
	TD			50-65					
<b>Thermal Data</b>									
Shrinkage (120°C/248F,5 min.)	MD	%	D-1204	2.0-4.0					
	TD			1.0-2.0					
Seal Initiation Temp	UT	°C/F	CTM	$\geq 130$					
SIT Variation( $\pm$ )		°C/F	CTM	$> 5$					
Heat Seal Strength	UT	g/15mm	CTM	$> 205$					
HotTack Strength		g/15mm	@125°C	330				350	
			@257°F						
<b>Barrier Data</b>									
MVTR(38°C,90%RH)		g/(m <sup>2</sup> ·day)	F-1249	5.0~8.0	3.0~4.8	1.6~3.1			
MVTR(10B,90%RH)		g/100i/day		0.32~0.51	0.19~0.31	0.10~0.20			

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.

## FOROP Advanced Materials Co., Ltd.

Address: No.166 Fuju Road, Yinxi Street, Fuqing City, Fuzhou City, Fujian Province, China  
Email: sales@sino-forop.com | <https://sales.forop.com>

Update date:08/25