

# LUMIRROR<sup>®</sup> F65

### Applications

- Hot stamping
- Casting
- Release Liner

— Mono layer PET

**Product Data Sheet** 

# PLAIN PET FILM

## Summary

F65 is designed for easy handling during processing, especially in hot stamping applications. This film is also designed to avoid the formation of heat wrinkles in the machine direction during drying operations.

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#### Technical Data \*

Technical Date	ta 🔭										Ō
PROPERTIES		METHOD	UNITS TYPICAL VALUES								
Thickness		-	micron	12.2	15.3	19.1	23.4	36.1	50.8	76.3	
Nominal Yield		-	m2/kg	58.5	46.7	37.4	30.5	19.8	14.1	9.4	(
F-5	MD	ASTM D882	Мра	104	105	106	103	101	102	109	
	TD			96	94	94	97	94	96	106	
Tensile Strength at Break	MD	ASTM D882	Мра -	244	238	243	209	171	169	206	_
	TD			236	226	226	237	186	198	213	
Young's Modulus	MD	ASTM D882	Мра -	4,844	4,844	4,854	4,550	4,491	4,452	4,560	_
	TD			5,276	4,982	4,913	5,031	5,031	4,962	4,678	
Elongation at Break	MD	ASTM D882	% -	130	130	130	160	170	180	180	_
	TD			120	130	140	130	130	140	160	
Heat Shrinkage (150°C for 30 minutes)	MD	- ASTM D1204	% -	1.6	1.5	1.5	1.4	1.1	1.2	1	-
	TD			0.3	0.1	0.2	0.2	0.2	0.1	1.3	
Heat Shrinkage (190°C for 20 minutes)	MD	- ASTM D1204	% -	3.5	3.1	3.0	2.7	2.0	2.0	2.0	-
	TD			0.7	0.3	0.3	0.8	0.5	0.3	1.8	-
Coefficient of Friction	A-side vs. B-side	ASTM D1894	$\mu_{s}$	0.4	0.4	0.4	0.4	0.4	0.4	0.3	
			$\mu_{D}$	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-
Haze (1 sheet)		ASTM 1003	%	3.0	3.5	3.5	3.5	4.0	7.0	5.5	-

#### Key Features

- · High strength and good handling properties
- · Low coefficient of friction which facilitates smooth coating and finishing
- · Resistant to heat wrinkle formation in the machine direction during coating process

#### Similar Products

- F6L
- F7S
- F7R

#### Winding Direction



#### \* These values do not constitute specific binding specifications

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Lumirror F65