

LUMIRROR® FR65

Applications

- · Hot stamping
- Casting
- · Release Liner

— Mono layer PET

PLAIN PET FILM WITH POST INDUSTRIAL RECYCLE

Summary

FR65 is a plain PET film with at least 55% post industrial recycle (PIR) 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.

Lumirror FR6



Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES							
Thickness		-	micron	11.7	12.2	15.3	19.1	23.4	36.1	50.8	76.3
Nominal Yield		-	m2/kg	61.1	58.5	46.7	37.4	30.5	19.8	14.1	9.4
F-5	MD	- ASTM D882	Мра	104	104	105	106	103	101	102	109
	TD			96	96	94	94	97	94	96	106
Tensile Strength at Break	MD	- ASTM D882	Мра	243	244	238	243	209	171	169	206
	TD			237	236	226	226	237	186	198	213
Young's Modulus	MD	- ASTM D882	Мра	4,854	4,844	4,844	4,854	4,550	4,491	4,452	4,560
	TD			5,296	5,276	4,982	4,913	5,031	5,031	4,962	4,678
Elongation at Break	MD	- ASTM D882	%	130	130	130	130	160	170	180	180
	TD			120	120	130	140	130	130	140	160
Heat Shrinkage (150°C for 30 minutes)	MD	- ASTM D1204	%	1.6	1.6	1.5	1.5	1.4	1.1	1.2	1
	TD			0.3	0.3	0.1	0.2	0.2	0.2	0.1	1.3
Heat Shrinkage (190°C for 20 minutes)	MD	• ASTM D1204	%	3.6	3.5	3.1	3.0	2.7	2.0	2.0	2.0
	TD			0.7	0.7	0.3	0.3	0.8	0.5	0.3	1.8
Coefficient of Friction	A-side vs. B-side	ASTM D1894	μ_{S}	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
			μ_{D}	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Haze (1 sheet)		ASTM 1003	%	3.0	3.0	3.5	3.5	3.5	4.0	7.0	5.5

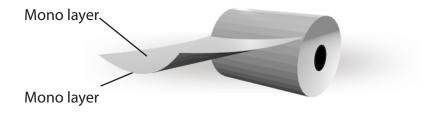
Key Features

- · 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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