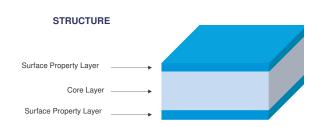


Innovation by Chemistry

Lumirror® F7R

Technical Data Sheet

F7R is an economy grade solar film with heat shrinkage properties designed to satisfy the needs of specific release applications.
F7R surface and optical properties are strictly controlled by co-extrusion technology.



KEY FEATURES

- Co-extruded three layer structure provides low haze and friction.

SIMILAR PRODUCTS

- U65

APPLICATIONS

- Solar
- Release Film

TECHNICAL DATA

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	0.00001"	92	142
Nominal Yield		-	in2/lb	21,500	13,900
F-5	MD	ASTM D882	lb/in2	14,900	14,900
	TD			14,200	13,800
Tensile Strength at Break	MD	ASTM D882	lb/in2	31,300	25,200
	TD			35,600	25,600
Elongation at Break	MD	ASTM D882	%	160	155
	TD			130	130
Heat Shrinkage (150 ℃ for 30 minutes)	MD	ASTM D1204	%	1.4	1.3
	TD			0.2	0.1
Heat Shrinkage (190 ℃ for 5 minutes)	MD	ASTM D1204	%	2.7	2.0
	TD			0.7	0.5
Coefficient of Friction	A-side vs. B-side	ASTM D1894	μ_{S}	0.4	0.4
			μ_{D}	0.3	0.3
Haze (1 sheet)		ASTM 1003	%	2.0	2.2

CONTACT

Toray Plastics (America), Inc. 50 Belver Avenue

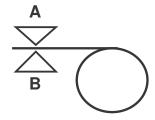
North Kingstown, RI 02852 USA

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WINDING DIRECTION

A = Surface Property Layer **B** = Surface Property Layer



LUM PS-0015 Rev 8

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Lumirror is a registered trademark of Toray Industries, Inc. for its range of Polyester Films based on Polyethylene Terephthalate (PET).

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