

PRODUCT DATA

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Questar®

POLYESTER FILM

48 Gauge CP-131

PRODUCT DESCRIPTION:

Questar® CP-131 is a clear Polyester Film with medium haze that is Corona Treated on one side for printability, has excellent handling characteristics, and is FDA approved for direct food contact. It is a multipurpose film well suited for applications that require strength and high temperature performance.

PROPERTIES	TEST METHOD	DESCRIPTION	US UNIT	VALUE	METRIC UNIT	VALUE	TOLERANCE
Nominal Thickness	FQ	N/A	Gauge	48	Micron	12	+/- 5.00%
Yield		N/A	in ² /lb	41,333	M ² /Kg	58.69	+/- 5.00%
Tensile Strength at Break	ASTM D 882	Machine Direction	psi	32,277	Kg/cm ²	2,199	+/- 15.00%
		Transverse Direction	psi	34,847	Kg/cm ²	2,450	+/- 23.00%
Elongation at Break	ASTM D 882	Machine Direction	%	125	%	125	+/- 36.00%
		Transverse Direction	%	120	%	120	+/- 34.00%
F-5 Value	ASTM D 882	Machine Direction	psi	14,991	Kg/cm ²	1054	+/- 23.00%
		Transverse Direction	psi	14,223	Kg/cm ²	1000	+/- 20.00%
Heat Shrinkage 150°C/30min	ASTM D 1204	Machine Direction	%	2	%	2	+/- 30.00%
		Transverse Direction	%	0.4	%	0.4	+/- 100.00%
Haze	ASTM D 1003	Overall	%	3	%	3	+/- 40.00%
Light Transmission		Overall	%	94	%	94	+/- 20.00%
Gloss		Overall	N/A	160	N/A	160	+/- 20.00%
Coefficient of Friction	ASTM D 1894	Static	N/A	.48	N/A	.48	+/- 30.00%
		Dynamic	N/A	.43	N/A	.43	+/- 30.00%
Surface Tension	ASTM D 2578	Untreated Side	Dyne/cm	44	Dyne/cm	44	+/- 4.50%
		Treated Side	Dyne/cm	53	Dyne/cm	53	+/- 9.00%
Density	ASTM D 1505	N/A	gm/cc	1.3955	gm/cc	1.3955	+/- 1.00%
Barrier - OTR	ASTM D 3985	/24 hrs @ Atmosphere	cc/100in ²	6.5	Cm ³ /m ²	100.75	+/- 15.00%
Barrier - MVTR	ASTM F 372	/24 hrs @ Atmosphere	G/100in ²	2.6	G/m ²	40.3	+/- 15.00%



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Revised August 19, 2015