

PRODUCT DATA

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Questar®

METALIZED POLYESTER FILM

48 Gauge CP-133

PRODUCT DESCRIPTION:

Questar® CP-133 is a clear Polyester Film with medium haze that is Corona Treated on one side for printability and Metalized on the other. CP-133 is designed for use as a component for packaging structures requiring great strength and high temperature performance. It has excellent MVTR and OTR barrier properties.

For applications requiring a higher bond strength, Filmquest recommends CP-217 our High Bond Metalized film. For applications utilizing solventless laminating adhesives, Filmquest recommends using CP-270 our Ion Bond Metalized film.

***MVTR and OTR rates will vary based upon the Optical Density: Filmquest's Optical Density range is 0.25 – 4.0.**

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	31,277	Kg/cm ²	2199	+/- 15.00%
		Transverse Direction	psi	34,847	Kg/cm ²	2450	+/- 23.00%
Elongation at Break	ASTM D 882	Machine Direction	%	125	%	125	+/- 36.00%
		Transverse Direction	%	120	%	120	+/- 34.00%
Heat Shrinkage 150°C/30min	ASTM D 1204	Machine Direction	%	2	%	2	+/- 30.00%
		Transverse Direction	%	.4	%	.4	+/- 100.00%
Haze	ASTM D 1003	Overall	%	3	%	3	+/- 40.00%
Density	ASTM D 1505	N/A	gm/cc	1.3955	gm/cc	1.3955	+/- 1.00%
Coefficient of Friction	ASTM D 1894	Static	N/A	.48	N/A	.48	+/- 30.00%
		Dynamic	N/A	.43	N/A	.43	+/- 30.00%
Metal Bond	Filmquest Method	Overall	grams/in	≥300	grams/in	≥300	min
Surface Tension	ASTM D 2578	Treated Side	Dyne/cm	53	Dyne/cm	53	+/- 8.00%
Optical Density*		Overall	N/A	2.0	N/A	2.0	+/- 10.00%
Barrier – OTR*	ASTM D 3985	/24 hrs @ Atmosphere	cc/100in ²	.10	Cm ³ /m ²	1.55	+/- 15.00%
Barrier – MVTR*	ASTM F 372	/24 hrs @ Atmosphere	G/100in ²	.08	G/m ²	1.24	+/- 15.00%



Filmquest Group, Inc.

320 Remington Boulevard, Bolingbrook, IL 60440

Voice: 630.226.9800 · Fax: 630.226.9400

Website: www.petfilm.com

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