

SMFCT-F Biaxially Oriented Polypropylene (BOPP) Film

DESCRIPTION

SMFCT-F is a clear, non-heat sealable biaxially oriented polypropylene (BOPP) film that is high energy treated on one side and corona treated and slip modified on the opposite side.

CHARACTERISTICS

- High energy flame treatment provides excellent ink adhesion and adhesive and extrusion lamination bonds
- Superior Optical Properties
- Excellent Flatness

FDA STATUS

Manufactured with materials compliant with FDA regulations.

COMPLIANCE

Please visit <https://www.transcendia.com/compliance> for more compliance information.

TECHNICAL DATA

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES						TEST METHOD
		48	70	75	100	120	200	
Thickness	gauge	48	70	75	100	120	200	-
Yield	in ² /lb	63,700	44,000	41,100	31,400	25,700	15,600	-
Tensile Strength MD	lb/in ²	20,000	20,000	20,000	20,000	20,000	20,000	ASTM D 882
Tensile Strength TD	lb/in ²	35,000	35,000	35,000	35,000	35,000	35,000	ASTM D 882
Elongation at Break MD	%	140	140	140	140	140	140	ASTM D 882
Elongation at Break TD	%	60	60	60	60	60	60	ASTM D 882
CoF Dynamic, Corona Treated Side	Dynamic	0.20	0.20	0.20	0.20	0.20	0.20	ASTM D 1894
CoF Static, Corona Treated Side	Static	0.25	0.25	0.25	0.25	0.25	0.25	ASTM D 1894
Haze	%	1.7 - 2.0	2.0	2.0	2.0 - 2.5	2.0	2.0	ASTM D 1003
Gloss (45°)	G.U.	90	90	90	90	90	90	ASTM D 2457
WVTR, 100°F 90% RH	g/100in ² /24hr	0.60	0.40	0.40	0.30	0.20	0.13	ASTM F 1249
Dimensional Stability MD	%	<5	<5	<5	<5	<5	<5	266°F, 5 min.
Dimensional Stability TD	%	<3	<3	<3	<3	<3	<3	266°F, 5 min.
Surface Energy (High Energy Flame Side)	dyne/cm	40	40	40	40	40	40	ASTM D 2578
Surface Energy (Corona Treated Side)	dyne/cm	36	36 - 38	36 - 38	36 - 38	36 - 38	36 - 38	ASTM D 2578

*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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