

HS1WS-F Polypropylene (PP) Film

DESCRIPTION

HS1WS-F is a clear polypropylene (PP) film that is heat sealable on one side and high energy flame treated on the non-sealable side.

CHARACTERISTICS

- Very wide heat seal range
- Stable slip system on untreated sealant face
- High energy flame treated for 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
		70	80	90	100	120	
Thickness	gauge	70	80	90	100	120	-
Yield	in ² /lb	44,000	38,700	34,300	31,000	25,700	-
Tensile Strength MD	psi	17,000					ASTM D882
Tensile Strength TD	psi	30,000					ASTM D882
Elongation at Break MD	%	190					ASTM D882
Elongation at Break TD	%	70					ASTM D882
Shrinkage MD	%	<5					266°F x 5 min
Shrinkage TD	%	<3					266°F x 5 min
Heat Seal Initiation	°F	200					½ sec, 30 psi
Gloss (45°)	Gloss units	85					ASTM D2457
CoF, NT/NT (Static)	-	0.35					ASTM D1894
CoF, NT/NT (Dynamic)	-	0.25					ASTM D1894
Surface Tension	Dyne/cm	40					ASTM D2578
Haze	%	2.5-3.5					ASTM D1003
WVTR (100°F, 90% RH)	g/100in ² /day	0.45	0.40	0.38	0.35	0.30	ASTM F1249

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