

## HSMET-F Biaxially Oriented Polypropylene (BOPP) Film

### DESCRIPTION

HSMET-F is a biaxially oriented polypropylene (BOPP) film that is metallized on one side and heat sealable on the other side for use in lamination structures only.

### APPLICATIONS

- Inner web of adhesive lamination for snack food packaging
- Heat sealable pouches
- Surface printed specialty overwrap for heat sealed candy and ice cream

### 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
Thickness	Gauge	60	70	80	100	120	-
Yield	in <sup>2</sup> /lb	51,800	44,000	38,700	31,100	25,700	-
Tensile Strength MD	psi	17,000-21,500					ASTM D882
Tensile Strength TD	psi	30,000-36,000					ASTM D882
Elongation at Break MD	%	180-190					ASTM D882
Elongation at Break TD	%	50-70					ASTM D882
Shrinkage MD	%	<5					266°F x 5 min
Shrinkage TD	%	<3					266°F x 5 min
Heat Seal Initiation	°F	200					1/2 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 <sup>2</sup> /day	0.45	0.40	0.38	0.35	0.30	ASTM F1249

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