

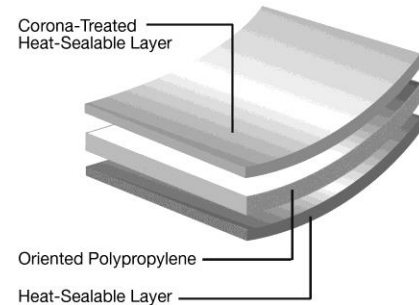
# TRANSPROP™ HSCT1-F

## DESCRIPTION:

TransProp HSCT1-F is a co-extruded, two side heat sealable, biaxially oriented polypropylene film. It is designed for low haze and good gloss, with a broad seal range and good hot tack properties. **(Also available in 70, and 90 gauge)**

## CHARACTERISTICS:

- Broad heat seal range
- Good hot tack properties
- Low haze, good gloss
- Good moisture barrier
- Treated on one side for print adhesion



## FDA STATUS:

Manufactured with materials compliant with FDA regulations.

## TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUE							TEST METHOD
		60	80	100	120	140	160	200	
Thickness	Gauge	60	80	100	120	140	160	200	-
Yield	in <sup>2</sup> /lb	51,800	38,700	31,000	25,700	22,200	19,437	15,500	-
Tensile Strength MD	psi	17,000-21,000	17,000-21,000	17,000-21,000	17,000-21,000	17,000-21,000	17,000-23,000	17,000-34,000	ASTM D882
Tensile Strength TD	psi	30,000-38,000	30,000-38,000	30,000-38,000	30,000-38,000	30,000-38,000	30,000-38,000	30,000-38,000	ASTM D882
Elongation at Break MD	%	160-190	160-190	160-190	160-190	160-190	140-190	140-190	ASTM D882
Elongation at Break TD	%	60-70	60-70	60-70	60-70	60-70	50-70	30-70	ASTM D882
Haze	%	2-3	2-3	2-3	2-3	2-3	2-3	2-3.5	ASTM D1003
COF	Film to film	0.2	0.3	0.3	0.3	0.3	0.3	0.3	ASTM D1894
Surface Tension	Dyne	38	38	38	38	38	38	38	ASTM D2578
Shrinkage MD	%	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	266°F x 5 min
Shrinkage TD	%	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	266°F x 5 min
Seal Range Treated	°F	225-300	225-300	225-300	225-300	225-300	225-300	225-300	-
Seal Range Non-Treated	°F	220-300	220-300	220-300	220-300	220-300	220-300	220-300	-
Gloss 45°	%	>85	>85	>85	>85	>85	>85	>85	ASTM D2457
Water Vapor Transmission	g/100in <sup>2</sup> /24hrs	.5	.40-.44	.35-.40	.30-.35	.30-.35	.30-.35	.30-.35	ASTM F1249
Oxygen Transmission	cc/100in <sup>2</sup> /24hrs	-	113-125	110-120	106-115	106-115	109-116	102-109	ASTM D3985

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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