Transcendia

ISO 9001:2008 Certified Company
PERRY JOHNSON REGISTRARS, INC.

TRANSPROP™ HS1WS-F

DESCRIPTION:
TransProp HS1WS-F is a clear heat sealable one side polypropylene with a high energy flame treatment 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.

TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES					TEST METHOD
Thickness	Gauge	70	80	90	100	120	-
Yield	$in^2/lb.$	44,000	38,700	34,300	31,000	25,700	-
Heat Seal Initiation	Deg F	200	200	200	200	200	½ sec, 30 PSI
Tensile Strength MD	psi	17,000	17,000	17,000	17,000	17,000	ASTM D882
Tensile Strength TD	psi	30,000	30,000	30,000	30,000	30,000	ASTM D882
Elongation at Break MD	%	190	190	190	190	190	ASTM D882
Elongation at Break TD	%	70	70	70	70	70	ASTM D882
COF (NT/NT)	Dynamic	0.25	0.25	0.25	0.25	0.25	ASTM D1894
COF (NT/NT)	Static	0.35	0.35	0.35	0.35	0.35	ASTM D1894
Haze	%	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	2.5-3.5	ASTM D1003
Gloss (45 deg)	G.U.	85	85	85	85	85	ASTM D2457
Surface Energy	dyne/cm	40	40	40	40	40	ASTM D2578
WVTR	$g/100in^2/24h$	0.45	0.45	0.45	0.45	0.45	ASTM F1249 100^0F, 90% RH
Dimensional stability (MD)	%	<5	<5	<5	<5	<5	266^0F, 5 min.
Dimensional stability (TD)	%	<3	<3	<3	<3	<3	266^0f, 5 min.

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