

TRANSPROP™ HS1LSI-F

DESCRIPTION:

TransProp HS1LSI-F is a clear heat sealable one side polypropylene, ultra-low seal initiation, high energy treatment on the non-sealable side

CHARACTERISTICS:

- Ultra-low heat seal initiation temperature
- Excellent slip properties
- Designed for use in structures for high speed HFFS & VFFS
- Superior optical properties
- High uniform & consistent treatment for printing & or lamination
- Excellent web flatness

FDA STATUS:

Manufactured with materials compliant with FDA regulations.

TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES					TEST METHOD
Thickness	mil	.70	.79	.98	1.18	1.77	ASTM D4321-04
Yield	in ² /lb.	43,400	38,600	30,900	25,800	17,200	ASTM D4321-04
Heat Seal Range on Non Treated Side	°	175-300	175-300	175-300	175-300	175-300	22psi, ¼ sec, 266°F
Tensile Strength MD	psi	22,720	22,720	22,720	22,720	22,720	ASTM D882-02
Tensile Strength TD	psi	41,180	41,180	41,180	41,180	41,180	ASTM D882-02
Elongation at Break MD	%	160	160	160	160	160	ASTM D882-02
Elongation at Break TD	%	55	55	55	55	55	ASTM D882-02
COF (NT/NT)	Dynamic	0.25	0.25	0.25	0.25	0.25	ASTM D1894-06
COF (T/T)	Dynamic	0.23	0.23	0.23	0.23	0.23	ASTM D1894-06
Haze	%	2.3	2.3	2.3	2.3	2.3	ASTM D1003-07
Gloss (45 deg)	%	90	90	90	90	90	ASTM D2457-08
Surface Energy	dyne/cm	38	38	38	38	38	ASTM D2578-04a
WVTR	g/100in ² /24h	0.37	0.37	0.37	0.37	0.37	ASTM F1249 100°F, 90% RH
Dimensional stability (MD)	%	6.0	6.0	6.0	6.0	6.0	266°F, 5 min.
Dimensional stability (TD)	%	3.0	3.0	3.0	3.0	3.0	266°F, 5 min.

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CORPORATE HEADQUARTERS 9201 W. Belmont Avenue | Franklin Park, IL 60131

USA 800.618.5060 | 847.678.1800 main | 847.233.0199 fax

CAN 800.268.4108 | 416.292.6000 main | 416.292.7399 fax

TRANSCENDIA.COM