

GPLHL-F Polyester (PET) Film

DESCRIPTION

GPLHL-F is an untreated slightly rough-surfaced and hazy polyester with a high resistance to neck down and creasing caused by high temperature and high-tension coating operations.

(Also available in 60 and 118 gauge.)

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 VALUE				TEST METHOD
Thickness		Gauge	48	75	92	142	-
Yield		in ² /lb	41,850	26,432	21,835	13,950	-
COF (Kinetic)		-	0.41	0.37	0.35	0.32	ASTM D1894
COF (Static)		-	0.45	0.42	0.40	0.38	ASTM D1894
Tensile Strength	MD	psi	39.5	36.5	33.0	30.5	ASTM D882
Tensile Strength	TD	psi	35.0	34.5	36.0	33.0	ASTM D882
Elongation at Break	MD	%	115	130	155	155	ASTM D882
Elongation at Break	TD	%	120	125	125	130	ASTM D882
Haze		%	2.9	3.6	3.8	4.9	ASTM D1003
TLT		%	89.7	89.6	89.5	89.2	ASTM D1003
Heat Shrinkage	MD	%	3.0	2.9	2.8	2.6	190°C x 20 min
Heat Shrinkage	TD	%	0.1	0.1	0.3	0.5	190°C x 20 min
Heat Shrinkage	MD	%	-	-	1.3	1.1	150°C x 30 min
Heat Shrinkage	TD	%	-	-	-0.3	-0.2	150°C x 30 min
Gloss		%	164.0	160.5	160.0	156.0	ASTM D 523
WVTR		g/m ² /day	52.4	-	-	-	ASTM F1249
Oxygen Transition Rate		cc/m ² /day	134.2	-	-	-	ASTM D3985
Surface Tension		Dyne	45	45	45	45	ASTM D2578
Density		g/cm ³	1.4	1.4	1.4	1.4	ASTM D1505

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