

GPXLH Polyester (PET) Film

DESCRIPTION

GPXLH is an untreated, low haze polyester (PET) film that is designed for easy handling during processing, especially in hot stamping applications.

CHARACTERISTICS

- High strength and good handling properties
- Low coefficient of friction which facilitates smooth coating and finishing
- Resistant to heat wrinkle formation in the machine direction during coating processes

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	48	92	142	-
Yield	in ² /lb	41,200	21,500	13,900	-
Strength at 5% Elongation MD	psi	15,900	15,800	15,800	ASTM D882
Strength at 5% Elongation TD	psi	14,800	14,500	14,700	ASTM D882
Tensile Strength MD	psi	39,800	35,800	33,600	ASTM D882
Tensile Strength TD	psi	36,300	38,400	35,700	ASTM D882
Elongation at Break MD	%	120	150	153	ASTM D882
Elongation at Break TD	%	129	130	125	ASTM D882
Haze	%	2.1	2.8	2.8	ASTM D1003
Heat Shrinkage MD	%	3.7	3.5	3.4	ASTM D1204 190°C/20 min
Heat Shrinkage TD	%	0.4	0.8	0.4	ASTM D1204 190°C/20 min
COF, A/B (Static)	-	0.4	0.4	0.4	ASTM D1894
COF, A/B (Kinetic)	-	0.3	0.3	0.3	ASTM D1894
Surface Roughness RA	nm	30	20	20	DIN 4768

*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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