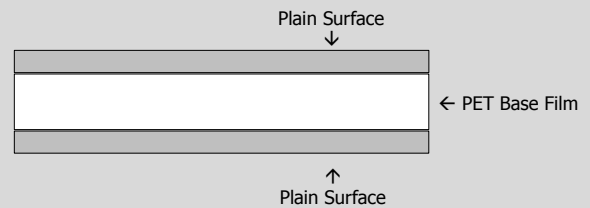


PressSense® Krystal PET ILH is an untreated, rough-surfaced and low haze polyester film. Krystal ILH is available in a wide range of thicknesses from 48ga to 142ga, and is widely used for stamping foil, adhesive tape and general coating applications. Krystal ILH film is FDA approved for direct food contact in compliance with FDA 21 CFR 177.1630 (f,g,h).

Typical Properties

Property	Units	Value					Test Method
General							
Nominal Thickness	Gauge (µm)	48 (12)	75 (19)	92 (23)	118 (30)	142 (36)	PS Method
WVTR	g/m ² .24hr	52.4					ASTM F1249
OTR	cm ³ /m ² .24hr.atm	134.2					ASTM D3985
Density	g/cm ³	1.4	1.4	1.4	1.4	1.4	ASTM D1505
Mechanical							
Tensile	Kpsi MD	39.5	36.5	33.0	31.0	30.5	ASTM D882
Strength	TD	35.0	34.5	36.0	33.0	33.0	
Elongation	% MD	115	130	155	155	155	ASTM D882
At Break	TD	120	125	125	130	130	
Surface							
Coefficient of Friction	µk (kinetic)	0.41	0.37	0.35	0.33	0.32	ASTM D1894
	µs (static)	0.45	0.42	0.40	0.39	0.38	
Surface Tension	Dyne	45	45	45	45	45	ASTM D2578
Optical							
Haze	%	2.9	3.6	3.8	4.3	4.9	ASTM D1003
Light Transmission	%	89.7	89.6	89.5	89.3	89.2	ASTM D1003
Gloss		164.0	160.5	160.0	158.0	156.0	ASTM D523
Thermal							
Heat Shrinkage	% MD	3.0	2.9	2.8	2.7	2.6	PS Method (190°C x 20 min)
	TD	0.1	0.1	0.3	0.3	0.5	PS Method (150°C X 30 min)
	% MD			1.3	1.2	1.1	
	TD			-0.3	-0.4	-0.2	



Typical properties should be referenced as a general guide, not as a guarantee. Testing should be completed on material based on individual customer systems, efficiencies, temperatures and applications as properties can change based on customer production methods.