



PressSense® Krystal PET G2S

Description:

PressSense® Krystal G2S is an optically clear, two side slip treated film, with high clarity, high gloss, good dimensional stability and excellent handling characteristics. G2S film is available in thicknesses from 200ga to 1000ga. G2S film is approved for archiving applications which include the encapsulation of paper items in accordance with the Library of Congress Specification #500-500 07/24/02.

Typical Properties:

Property	Unit	Value								Test Method	
		200	300	380	400	500	600	700	1000		
General											
Nominal Thickness	Gauge (µm)	200 (50)	300 (75)	380 (96.5)	400 (100)	500 (125)	600 (150)	700 (175)	1000 (250)		PS Method
Mechanical											
Tensile Strength	Kpsi										ASTM D882
	MD	30.5	26.0	25.0	25.0	23.0	22.0	21.0	25.5		
	TD	32.0	31.0	30.0	30.0	28.0	27.0	26.0	27.0		
Elongation At Break	%										ASTM D882
	MD	160	185	190	190	210	230	250	150		
	TD	130	130	140	140	140	150	160	140		
Surface											
Coefficient of Friction	µk (Kinetic) µs (Static)	0.38 0.45	0.35 0.42	0.34 0.41	0.34 0.41	0.34 0.41	0.34 0.41	0.34 0.41	0.34 0.41	0.35 0.40	ASTMD1894
Surface Tension	Dyne										ASTM D2578
	Slip Plain	50 45	50 45	50 45	50 45	50 45	50 45	50 45	40 40		
Optical											
Haze	%	0.90	1.00	1.30	1.30	1.70	2.10	2.40	1.2		ASTM D1003
Light Transmission	%	89.5	90.0	90.0	90.0	90.0	88.9	88.9	90		ASTM D1003
Gloss	%	190	190	190	190	190	188	185	185		ASTM D523
Thermal											
Heat Shrinkage	%										PS Method (150°Cx30 min)
	MD	1.2	1.0	0.9	0.9	0.9	0.9	0.9	1.4		
	TD	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4		

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.