

SG00L

Product Information

● **Product Description**

Skyrol® **SG00L** is a slightly rough-surfaced, and hazy polyester film, with enhanced heat stability. **SG00L** is available in a wide range of thicknesses from 200ga to 1000ga. **SG00L** is extensively used for drafting, release sheets, lamination, protection, collar stay, dust cap and general purpose applications.

● **Typical Properties**

Property	Unit	Value								Test Method	
General											
Nominal Thickness	Gauge (µm)	200 (50)	300 (75)	400 (100)	500 (125)	750 (188)	1000 (250)				SKC Method
Mechanical											
Tensile Strength	Kpsi MD	28.0	27.0	20.0	26.0	28.0	26.0				ASTM D882
Elongation At Break	% MD	170	175	195	210	210	225				ASTM D882
	TD	130	140	165	140	130	115				
Surface											
Coefficient of Friction	µk (Kintetic)	0.32	0.33	0.33	0.34	0.34	0.34				ASTM D1894
	µs (Static)	0.37	0.38	0.39	0.39	0.39	0.39				
Surface Tension	Dyne	45	45	45	45	45	45				ASTM D2578
Optical											
Haze	%	6.0	8.5	10.5	12.5	18.5	26.0				ASTM D1003
Light Transmission	%	88.7	88.4	87.9	87.8	86.6	86.0				ASTM D1003
Gloss	%	157	154	153	150	145	135				ASTM D523
Electrical											
Dielectric Strength	kV	11	13	15	17	20	23				ASTM D49 (60 Hz, AC)
Dissipation Factor		0.006	0.006	0.006	0.006	0.006	0.006				ASTM D150 (25°C, 1 KHz)
Dielectric Constant		3.2	3.2	3.2	3.2	3.2	3.2				ASTM D150 (25°C, 1 KHz)
Loss Tangent		0.002	0.002	0.002	0.002	0.002	0.002				ASTM D150 (25°C, 1 KHz)
Thermal											
Heat Shrinkage	% MD	0.80	0.80	0.60	0.60	1.00	1.00				SKC Method (150°C×30 min)
	TD	0.05	0.05	0.05	0.05	0.30	0.30				SKC Method (190°C×30 min)
	% MD	1.50	1.50	1.50	1.50						
	TD	0.25	0.25	0.25	0.25						

Unit Correlation: Gauge = m ÷ 0.254
 psi = Kg/mm2 x 1422.3
 N/mm2 = x 9.8