



SH31/SH32

Product Information

◆ Product Description

Skyrol® SH31/32 is an optically super clear polyester film with smooth surface, high gloss, good dimensional stability, flatness and good handling characteristics. SH31 is slip-treated on one side and SH32 is slip-treated on both sides .

◆ Typical Properties

Property	Unit	Value							Test Method	
General										
Nominal Thickness	Gauge (μm)	92 (23)	200 (50)	300 (75)	400 (100)	500 (125)	700 (175)	1000 (250)	SKC Method	
Density	g/cm ³	1.4	1.4	1.4	1.4	1.4	1.4	1.4	ASTM D1505	
Yield	inch ² /lb	21,800	10,000	6,600	5,000	4,000	2,800	2,000		
Mechanical										
Tensile at Strength	kpsi	MD	40	30	29	28	28	27	24	ASTM D 882
		TD	40	33	33	33	36	28	30	
Elongation at Break	%	MD	155	185	180	170	160	210	150	ASTM D 882
		TD	135	130	130	113	105	140	100	
Surface										
Friction Coefficient	Kinetic Static		0.45	0.43	0.43	0.43	0.43	0.43	0.43	ASTM D1894
			0.48	0.46	0.46	0.46	0.46	0.46	0.46	
Optical										
Haze	%	0.3	0.3	0.4	0.4	0.5	0.6	1.2	ASTM D 1003	
Light Transmission	%	90	89	89	89	90	90	90	ASTM D 1003	
Gloss	%	190	195	195	195	190	190	190	ASTM D 523	
Thermal										
Heat Shrinkage	%	MD	1.4	1.0	1.0	1.0	1.0	1.0	1.2	SKC Method (150°C x 30 min)
		TD	0.2	0.5	0.5	0.6	0.6	0.7	0.5	

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

SKCA-TPS-E-8

This information is the best currently available on the subject. The results should, however, only be regarded as a general guide to material properties and not as a guarantee. Some of the properties can be changed as a result of supplier's effort to improve the quality or production efficiency on the subject.