

Skyrol® SH31

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH31 is an optically super-clear polyester film with a smooth surface, high gloss, good dimensional stability, and excellent flatness. SH31 is slip-treated on one side for good handling characteristics.

General Information			
UL YellowCard	E74359-100717954	E74359-249671	
Additive	Slip		
Features	Clean/High Purity		
	Good Dimensional Stability		
	Good Surface Finish		
	High Gloss		
	Opticals		
	Slip		
Uses	Film		
Appearance	Opaque		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.100 mm	1.0	%	
Flow : 150°C, 30 min, 0.175 mm	1.0	%	
Across Flow : 150°C, 30 min, 0.00100 mm	0.60	%	
Across Flow : 150°C, 30 min, 0.175 mm	0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ¹			ASTM D1894
vs. Itself - Dynamic	0.40		
vs. Itself - Static	0.50		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,100 µm	193	MPa	
MD : Yield,180 µm	186	MPa	
TD : Yield,100 µm	228	MPa	
TD : Yield,180 µm	193	MPa	
Tensile Elongation			ASTM D882
MD : Break, 36 µm	230	%	
MD : Break, 100 µm	170	%	
TD : Break, 100 µm	110	%	

TD : Break, 4400 μm	130	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
100 μm	196		
175 μm	192		
Transmittance			ASTM D1003
100 μm	89.0	%	
175 μm	89.0	%	
Haze			ASTM D1003
100 μm	0.40	%	
175 μm	0.60	%	

NOTE			
1.	175 μm		

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