

Skyrol® SH32

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol®SH32 is an optically clear polyester film with smooth surface, high gloss, and good dimensional stability. SH32 is slip-treated on both sides for good handling characteristics.

General Information			
UL YellowCard	E74359-100717954	E74359-249671	
Additive	Slip		
Features	Good Dimensional Stability		
	Good Surface Finish		
	High Gloss		
	Opticals		
	Slip		
Uses	Film		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.100 mm	1.1	%	
Flow : 150°C, 30 min, 0.175 mm	1.1	%	
Across Flow : 150°C, 30 min, 0.100 mm	1.0	%	
Across Flow : 150°C, 30 min, 0.175 mm	0.40	%	
Surface Tension ¹	52	mN/m	ASTM D2578
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic ²	0.40		
vs. Itself - Dynamic ³	0.46		
vs. Itself - Static ⁴	0.56		
vs. Itself - Static ⁵	0.51		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,100 µm	179	MPa	
MD : Yield,180 µm	200	MPa	
TD : Yield,100 µm	207	MPa	
TD : Yield,180 µm	186	MPa	
Tensile Elongation			ASTM D882
MD : Break, 100 µm	210	%	

MD : Break, 180 µm	220	%	
TD : Break, 100 µm	130	%	
TD : Break, 180 µm	140	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
100 µm	193		
175 µm	193		
Transmittance			ASTM D1003
100 µm	89.0	%	
175 µm	89.0	%	
Haze			ASTM D1003
100 µm	0.40	%	
175 µm	0.80	%	
NOTE			
1.	Treated, 100 µm & 175 µm		
2.	175 µm		
3.	100 µm		
4.	100 µm		
5.	175 µm		

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