

Skyrol® SH96D

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH96D is an optically clear and anti-static pretreated polyester film. SH96D is primarily used as substrates for microfilm, overhead projector film and laminating film, since its anti-static property can be retained after several uses and is seldom influenced by humidity.

General Information			
UL YellowCard	E74359-100717954	E74359-249671	
Additive	Antistatic		
Features	Antistatic		
	Opticals		
Uses	Clear Sheet		
	Film		
	Laminates		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.40	g/cm ³	ASTM D1505
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.0860 mm	1.5	%	
Flow : 150°C, 30 min, 0.107 mm	1.5	%	
Across Flow : 150°C, 30 min, 0.0860 mm	1.0	%	
Across Flow : 150°C, 30 min, 0.107 mm	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic ²	0.30		
vs. Itself - Dynamic ³	0.30		
vs. Itself - Static ⁴	0.30		
vs. Itself - Static ⁵	0.30		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,86 µm	214	MPa	
MD : Yield,110 µm	200	MPa	
TD : Yield,86 µm	234	MPa	
TD : Yield,110 µm	228	MPa	
Tensile Elongation			ASTM D882
MD : Break, 86 µm	150	%	

MD : Break, 110 μm	160	%	
TD : Break, 86 μm	110	%	
TD : Break, 110 μm	110	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
86.0 μm	174		
107 μm	173		
Transmittance			ASTM D1003
86.0 μm	89.0	%	
107 μm	89.0	%	
Haze			ASTM D1003
86.0 μm	3.2	%	
107 μm	4.0	%	
NOTE			
1.	107.4 μm		
2.	107.4 μm		
3.	86 μm		
4.	86 μm		
5.	107.4 μm		

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