

Skyrol® SH76

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SH76 is an optically clear film with good handling and dimensional stability properties. SH76 is widely used as substrates for micro film, overhead projector film, laminating film and the like.

General Information			
UL YellowCard	E74359-249674	E74359-249671	
Features	Good Dimensional Stability		
	Good Processability		
	Opticals		
Uses	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, 0.0750 mm	1.0	%	
Flow : 150°C, 30 min, 0.0870 mm	1.0	%	
Across Flow : 150°C, 30 min, 0.0750 mm	0.40	%	
Across Flow : 150°C, 30 min, 0.0870 mm	0.40	%	
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	0.40		
vs. Itself - Static ⁵	0.40		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,75 µm	214	MPa	
MD : Yield,87 µm	207	MPa	
TD : Yield,75 µm	234	MPa	
TD : Yield,87 µm	228	MPa	
Tensile Elongation			ASTM D882
MD : Break, 75 µm	160	%	
MD : Break, 87 µm	160	%	

TD : Break, 75 μm	130	%	
TD : Break, 87 μm	140	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
75.0 μm	170		
87.0 μm	171		
Transmittance			ASTM D1003
75.0 μm	89.0	%	
87.0 μm	89.0	%	
Haze			ASTM D1003
75.0 μm	4.0	%	
87.0 μm	3.8	%	
NOTE			
1.	87 μm		
2.	87 μm		
3.	75 μm		
4.	75 μm		
5.	87 μm		

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