

Skyrol® SL10

Polyethylene Terephthalate

SKC Inc.

Message:

Skyrol® SL10 is a coextruded polyester film with a heat sealable layer on one side. It is specially developed for use in various packaging applications. SL10 has a wide range of heat sealing temperatures and good adhesion to vacuum-deposited metal. SL10 complies with the FDA regulation 21 CFR 177-1630. It is available in thickness ranges from 48 to 120 gauge.

General Information			
UL YellowCard	E74359-249671		
Features	Good Adhesion		
	Heat Sealable		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1630		
Forms	Film		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.40	g/cm ³	ASTM D1505
Molding Shrinkage			Internal Method
Flow : 150°C, 30 min, 0.0120 mm	1.7	%	
Flow : 150°C, 30 min, 0.0200 mm	1.7	%	
Across Flow : 150°C, 30 min, 0.0120 mm	0.60	%	
Across Flow : 150°C, 30 min, 0.0200 mm	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
-- ²	0.50		
vs. Itself - Dynamic ³	0.40		
vs. Itself - Dynamic ⁴	0.40		
vs. Itself - Static ⁵	0.60		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield, 12 µm	234	MPa	
MD : Yield, 20 µm	221	MPa	
TD : Yield, 12 µm	200	MPa	
TD : Yield, 20 µm	200	MPa	
Tensile Elongation			ASTM D882
MD : Break, 12 µm	130	%	
MD : Break, 20 µm	140	%	

TD : Break, 12 μm	130	%	
TD : Break, 20 μm	140	%	
Optical	Nominal Value	Unit	Test Method
Haze			ASTM D1003
12.0 μm	3.1	%	
20.0 μm	3.9	%	
NOTE			
1.	20 μm		
2.	12 μm		
3.	12 μm		
4.	20 μm		
5.	20 μm		

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