

LOFEX® A31LL

Polyethylene Terephthalate

Lotte Chemical Corporation

Message:

LOFEX ® A31LL is Polyester film is optically clear and both sides urethane treated with enhances adhesion to UV ink and coatings. It can use by silicon release film, protection film, window film because it has excellent run, easy treatment by suitable product. It has excellent properties by tensile strength, proper elongation and the thermal contraction rate.

General Information			
Features	Good Strength		
	High Clarity		
Uses	Film		
	Industrial Applications		
RoHS Compliance	RoHS Compliant		
Forms	Film		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,50 µm	196	MPa	
MD : Yield,75 µm	196	MPa	
MD : Yield,100 µm	196	MPa	
TD : Yield,50 µm	235	MPa	
TD : Yield,75 µm	216	MPa	
TD : Yield,100 µm	216	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	160	%	
MD : Break, 75 µm	170	%	
MD : Break, 100 µm	170	%	
TD : Break, 50 µm	110	%	
TD : Break, 75 µm	120	%	
TD : Break, 100 µm	120	%	
F5			ASTM D882
MD : 50.0 µm	113	MPa	
MD : 75.0 µm	113	MPa	
MD : 100.0 µm	113	MPa	
TD : 50.0 µm	113	MPa	
TD : 75.0 µm	113	MPa	
TD : 100.0 µm	113	MPa	
Heat Shrinkage			Internal Method
MD, 30 min : 150°C, 50.0 µm	1.0	%	

MD, 30 min : 150°C, 75.0 µm	1.0	%	
MD, 30 min : 150°C, 100.0 µm	1.0	%	
TD, 30 min : 150°C, 50.0 µm	0.50	%	
TD, 30 min : 150°C, 75.0 µm	0.50	%	
TD, 30 min : 150°C, 100.0 µm	0.50	%	
Surface Treatment	Both sides (Urethane)		
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
60°, 50.0 µm	160		
60°, 75.0 µm	160		
60°, 100 µm	160		
Transmittance			ASTM D1003
50.0 µm	89.0	%	
75.0 µm	89.0	%	
100 µm	89.0	%	
Haze			ASTM D1003
50.0 µm	1.1	%	
75.0 µm	1.2	%	
100 µm	1.3	%	

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