

LOFEX® A311A

Polyethylene Terephthalate

Lotte Chemical Corporation

Message:

LOFEX ® A311A is Polyester film is optically clear and inside corona / outside acryl treated with enhanced adhesion to inks and coatings. So, it can use by window film, label and print film. Also, 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		
	Labels		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Forms	Film		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.30		
vs. Itself - Static	0.35		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,50 µm	196	MPa	
MD : Yield,100 µm	196	MPa	
TD : Yield,50 µm	235	MPa	
TD : Yield,100 µm	235	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	160	%	
MD : Break, 100 µm	170	%	
TD : Break, 50 µm	110	%	
TD : Break, 100 µm	120	%	
F5			ASTM D882
MD : 50.0 µm	113	MPa	
MD : 100.0 µm	113	MPa	
TD : 50.0 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, 100.0 µm	1.0	%	
TD, 30 min : 150°C, 50.0 µm	0.50	%	
TD, 30 min : 150°C, 100.0 µm	0.50	%	
Surface Treatment	Inside (Corona)/Outside (Acryl)		
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
60°, 50.0 µm	170		
60°, 100 µm	170		
Transmittance			ASTM D1003
50.0 µm	89.0	%	
100 µm	89.0	%	
Haze			ASTM D1003
50.0 µm	1.3	%	
100 µm	2.1	%	

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