

LOFEX® A3110

Polyethylene Terephthalate

Lotte Chemical Corporation

Message:

LOFEX ® A3110 Polyester film is optically clear and one side corona treated with excellent properties by tensile strength , proper elongation and the thermal contraction rate. It can use by advertisement material because it has excellent run, easy treatment by suitable product. Also, it is a product that thickness control is possible according to customer needs.

General Information			
Features	Good Strength		
	High Clarity		
Uses	Film		
	Industrial Applications		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	
Surface Tension			
100.0 µm	52	mN/m	
175.0 µm	52	mN/m	
F5			ASTM D882
MD : 100.0 µm	113	MPa	
MD : 175.0 µm	108	MPa	
TD : 100.0 µm	113	MPa	
TD : 175.0 µm	108	MPa	
Heat Shrinkage			Internal Method
MD, 30 min : 150°C, 100.0 µm	1.0	%	
MD, 30 min : 150°C, 175.0 µm	1.0	%	
TD, 30 min : 150°C, 100.0 µm	0.50	%	
TD, 30 min : 150°C, 175.0 µm	0.50	%	
Surface Treatment	Inside (Corona)		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.29		
vs. Itself - Static	0.32		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,100 µm	196	MPa	
MD : Yield,180 µm	196	MPa	
TD : Yield,100 µm	216	MPa	

TD : Yield,180 μm	206	MPa	
Tensile Elongation			ASTM D882
MD : Break, 100 μm	170	%	
MD : Break, 180 μm	170	%	
TD : Break, 100 μm	120	%	
TD : Break, 180 μm	130	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
60°, 100 μm	175		
60°, 175 μm	175		
Transmittance			ASTM D1003
100 μm	89.0	%	
175 μm	89.0	%	
Haze			ASTM D1003
100 μm	2.1	%	
175 μm	2.7	%	

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