

LOFEX® A5110

Polyethylene Terephthalate

Lotte Chemical Corporation

Message:

LOFEX ® A5110 Polyester film is hazy and one side corona treated with excellent properties by tensile strength, proper elongation and the thermal contraction rate. It can use by release film 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		
Uses	Film		
	Industrial Applications		
RoHS Compliance	RoHS Compliant		
Forms	Film		
Physical	Nominal Value	Unit	
Surface Tension			
50.0 µm	52	mN/m	
75.0 µm	52	mN/m	
100.0 µm	52	mN/m	
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	Inside (Corona)		
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	170	%	
MD : Break, 75 μm	170	%	
MD : Break, 100 μm	170	%	
TD : Break, 50 μm	120	%	
TD : Break, 75 μm	120	%	
TD : Break, 100 μm	120	%	
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
60°, 50.0 μm	150		
60°, 75.0 μm	150		
60°, 100 μm	150		
Transmittance			ASTM D1003
50.0 μm	87.0	%	
75.0 μm	87.0	%	
100 μm	87.0	%	
Haze			ASTM D1003
50.0 μm	3.8	%	
75.0 μm	5.3	%	
100 μm	9.5	%	

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