

Halene L 71601W

Linear Low Density Polyethylene

Haldia Petrochemicals Ltd.

Message:

71601W is a LLDPE blown film grade produced by Spherilene Technology with controlled morphology, excellent processability and mechanical properties. This Grade can be used in General Purpose Adhesive Lamination film. 71601W is without slip additives and antiblock.

General Information			
Features	Workability, good		
Uses	Films		
	Laminate		
	Adhesive		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.916	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength ²			ASTM D882
MD: Yield, 25 µm, blown film	15.0	MPa	ASTM D882
TD: Yield, 25 µm, blown film	13.0	MPa	ASTM D882
MD: Broken, 25 µm, blown film	30.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	21.0	MPa	ASTM D882
Tensile Elongation ³			ASTM D882
MD: Broken, 25 µm, blown film	650	%	ASTM D882
TD: Broken, 25 µm, blown film	850	%	ASTM D882
Dart Drop Impact ⁴ (25 µm, Blown Film)	100	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	120	g	ASTM D1922
TD: 25 µm, blown film	440	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°, 25.0 µm, Blown Film)	90		ASTM D2457
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 - 200	°C	
Cylinder Zone 2 Temp.	180 - 200	°C	
Cylinder Zone 3 Temp.	180 - 200	°C	
Cylinder Zone 4 Temp.	180 - 200	°C	

Cylinder Zone 5 Temp.	180 - 200	°C
Melt Temperature	190 - 210	°C
Extrusion instructions		
Blow up Ratio: 2.0-3.0Die Gap: 2.0-2.5 mm		
NOTE		
1.	23°C	
2.	500 mm/min	
3.	500 mm/min	
4.	38 mm Dart, 66 cm Height	

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