

Halene L 71602W

Linear Low Density Polyethylene
Haldia Petrochemicals Ltd.

Message:

71602W is a LLDPE film grade produced by Spherilene Technology.
71602W is without Slip additives and Antiblock and can be used in Packaging Film Applications.
The precise morphological control achieved during polymerization confers good processability and mechanical strengths.

General Information			
Features	Workability, good		
	Good strength		
Uses	Packaging		
	Films		
	Laminate		
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)	2.5	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	12.0	MPa	ASTM D882
TD: Yield, 25 µm, blown film	11.0	MPa	ASTM D882
MD: Broken, 25 µm, blown film	23.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	19.0	MPa	ASTM D882
Tensile Elongation ³			ASTM D882
MD: Broken, 25 µm, blown film	500	%	ASTM D882
TD: Broken, 25 µm, blown film	750	%	ASTM D882
Dart Drop Impact ⁴ (25 µm, Blown Film)	50	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	60	g	ASTM D1922
TD: 25 µm, blown film	280	g	ASTM D1922
Additional Information			
Die gap: 2.5 mmBUR: 2.5			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170 - 200	°C	
Cylinder Zone 2 Temp.	170 - 200	°C	

Cylinder Zone 3 Temp.	170 - 200	°C
Cylinder Zone 4 Temp.	170 - 200	°C
Cylinder Zone 5 Temp.	170 - 200	°C
Melt Temperature	190 - 200	°C

Extrusion instructions

Blow up Ratio: 2.0 to 3.0 Die Gap: 2.0 to 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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