

LG Chem

mLLDPE

HP1018BM

Product information				
Manufacturer	LG Chem Ltd.			
Color	NC			
Material Shape	Pellets			
Process	Blow molding			
Polymer	Copolymer			
Material Attribute	Antiblock C6			
Features	Dart drop resistanceGood processabilityHexene comonomerMetallocene			
Application	Industrial filmsIndustrial packaging applicationCompounding filmFood packaging applicationLamination filmAgricultural film			
Additives	Antiblock Antioxidant Processing Aid Slip Agent			
Blow Molding	Condition	Standard	Value	Unit
Blow	up Ratio	1.5~3.0		
Melt	Temperature	150~180	°C	
Mechanical behavior	Condition	Standard	Value	Unit
Elmendorf	Tear Strength Flow 25µm Film 500mm/min	ASTM D1922	280	g/µm
Elmendorf	Tear Strength xFlow 25µm Film 500mm/min	ASTM D1922	370	g/µm
Elongation	Flow Break 500mm/min 25µm Film	ASTM D882	550	%
Elongation	xFlow Break 500mm/min 25µm Film	ASTM D882	640	%
Falling	Weight Impact Strength Method A 25µm Film	ASTM D1709	700	g
Secant	Modulus 1% Flow 25µm Film 500mm/min	ASTM D882	2800	kg/cm ²
Secant	Modulus 1% xFlow 25µm Film 500mm/min	ASTM D882	3100	kg/cm ²
Tensile	Strength Flow Break 500mm/min 25µm Film	ASTM D882	520	kg/cm ²
Tensile	Strength xFlow Break 500mm/min 25µm Film	ASTM D882	450	kg/cm ²
Optical performance	Condition	Standard	Value	Unit
Haze	25µm Film	ASTM D1003	18	%
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.918	g/cm ³
Melt	Index 190°C 2.16kg	ASTM D1238	1	g/10min
Thermal	Condition	Standard	Value	Unit
Melting	Temperature DSC	INTERNAL METHOD	118	°C