

# Halene H M6007LU

High Density Polyethylene

Haldia Petrochemicals Ltd.

## Message:

M6007LU is a Narrow MWD HDPE is produced by Spherilene Technology.

M6007LU is ideally suited for injection molding of heavy-duty crates & industrial products.

M6007LU is stabilized adequately with HALS+ to give a long service life under outdoor exposure.

The precise control of morphology & MWD during polymerization confers superior processability and improved performance properties compared to conventional HDPE grades.

General Information			
Additive	UV Stabilizer (2000 ppm)		
Features	Good Processability		
	Good UV Resistance		
	Narrow Molecular Weight Distribution		
Uses	Crates		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.950	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Spiral Flow <sup>2</sup>	43.0	cm	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>3</sup> (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation <sup>4</sup> (Break, Injection Molded)	> 500	%	ASTM D638
Flexural Modulus (Injection Molded)	850	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	50	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	132	°C	ASTM D3418
Injection	Nominal Value	Unit	Test Method
Rear Temperature	185 to 235	°C	
Middle Temperature	185 to 235	°C	
Front Temperature	185 to 235	°C	

Nozzle Temperature	235	°C
NOTE		
1.	23°C	
2.	Melt Temperature: 235°C	
3.	50 mm/min	
4.	50 mm/min	

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