Halene H M6007L

High Density Polyethylene

Haldia Petrochemicals Ltd.

Message:

M6007L is a Narrow Molecular Weight Distribution HDPE produced by Spherilene Technology.
M6007L is ideally suited for injection molding of heavy-duty crates & industrial products.
The precise control of morphology & MWD during polymerization confers superior processability and improved performance properties compared to conventional HDPE grades.

General Information			
Features	Good Processability Narrow Molecular Weight Distribution		
Uses	Crates Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density [1]	0.950	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Spiral Flow [2]	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 [3] (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation [4] (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**	
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

Recommended distributors for this material

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