

## TECHNICAL DATA SHEET

## M6007L

**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.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg at 190 °C)	ASTM D 1238	g/10 min	7.5
Density (23 °C)	ASTM D 1505	g/cm <sup>3</sup>	0.950
<b>Physical Property</b>			
Tensile Strength at Yield	ASTM D 638	MPa	24
Elongation at Break	(50 mm/min)	%	>500
Notched Izod Impact Strength (23 °C)	ASTM D 256A	J/m	50
Flexural Modulus	ASTM D 790A	MPa	850
Hardness	ASTM D 2240	Shore D	62
Spiral Flow Length @ 235 °C	HPL Method	mm.	430
DSC Melting Temperature	ASTM D 3418	°C	132
<b>Suggested Processing Conditions-</b>			
Barrel Temperature		°C	185 – 235
Nozzle Temperature		°C	235

\* Halene H is the registered trademark of High Density Polyethylene of HPL

Mechanical properties are on injection molded specimens

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