

## TECHNICAL DATA SHEET

## M6007LU

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

**M6007LU** is ideally suited for injection molding of heavy-duty Crates & Industrial products.

**M6007LU** is stabilized adequately with HALS<sup>+</sup> 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.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 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

### Suggested Processing Conditions

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

+ The total Hindered Amine Light Stabilizer (HALS) content is < 2000 ppm

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