

**Product Texts**

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 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.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>8</b>	g/10min	ASTM D 1238
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>24</b>	MPa	ASTM D 638
Elongation at Break	<b>500</b>	%	ASTM D 638
Flexural Modulus	<b>850</b>	MPa	ASTM D 790
Shore D Hardness	<b>62</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>50</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>65</b>	°C	ASTM D 648
Melting Temperature	<b>132</b>	°C	ASTM D 3418

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>950</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Zone 1	<b>185 - 235</b>	°C	-
Nozzle temperature	<b>200 - 235</b>	°C	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

U.V. stabilized or stable to weather