

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 ³	0.950
Physical Property			
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