

Product Texts

M6007L is a Narrow MWD HDPE produced by the 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.

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

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

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	132	°C	ASTM D 3418
Vicat Temperature	124	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	950	kg/m ³	ASTM D 792

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

Characteristics

Processing
Injection Molding

Regional Availability
Asia Pacific