

TECHNICAL DATA SHEET

M6007LU

M6007LU is a Narrow MWD HDPE manufactured using the Basell's Spherilene Gas Phase Technology. The precise control of morphology & MWD during polymerization confers superior processability and improved performance properties compared to conventional HDPE grades.

M6007LU is ideally suited for injection molding of heavy-duty crates & industrial products with UV Stabilization.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg at 190° C)	ASTM D 1238	g/10 min	7.5
Density (at 23°C)	ASTM D 1505	g/cm ³	0.950
Physical Property			
Tensile Strength at Yield**		MPa	21
Tensile Strength at Break**	ASTM D 638	MPa	10
Elongation at Break**		%	>500
Izod Impact Strength (Notched, 23 ° C)	ASTM D 256	J/m	50
Flexural Modulus	ASTM D 790	MPa	650
Hardness	ASTM D 785	Shore D	62
Spiral Flow	HPL	cm.	38
DSC Melting Temperature	ASTM D 2117	°C	132

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

** Tensile Properties are on Injection Molded Type IV Specimens as per ASTM D 638

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