

TECHNICAL DATA SHEET

M5025L

M5025L is an Injection Molding HDPE produced by Spherilene Technology

This resin is particularly recommended for general purpose Injection Molded items & Masterbatch application

M5025L combines excellent processability with good mechanical properties

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	30.0
Density (23°C)	ASTM D1505	g/cm ³	0.950
Physical Property			
Tensile Strength at Yield	ASTM D638	MPa	20
Elongation at Break	(50 mm/min)	%	250
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	28
Flexural Modulus	ASTM D790A	MPa	800
Hardness	ASTM D2240	Shore D	62
Spiral Flow Length @ 235°C	HPL Method	mm	730
Vicat Softening Point (10 N)	ASTM D1525	°C	125
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	77
DSC Melting Temperature	ASTM D3418	°C	132
Suggested Processing Conditions			
Barrel Temperature		°C	180 - 235
Nozzle Temperature		°C	235

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

Mechanical Properties are on Injection Molded test specimens prepared as per ASTM D4101

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