

## TECHNICAL DATA SHEET

## M5818

**M5818** is an Injection Molding HDPE produced by Mitsui CX Technology

This resin is particularly recommended for general purpose Injection Molded items

**M5818** 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	19.0
Density (23°C)	ASTM D1505	g/cm <sup>3</sup>	0.956
<b>Physical Property</b>			
Tensile Strength at Yield	ASTM D638	MPa	24
Elongation at Break	(50 mm/min)	%	350
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	36
Hardness	ASTM D2240	Shore D	64
DSC Melting Temperature	ASTM D3418	°C	131
<b>Suggested Processing Conditions</b>			
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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