

TECHNICAL DATA SHEET

M5818

M5818 is an Injection Molding Grade 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 at 190 °C)	ASTM D 1238	g/10 min	19.0
Density (at 23 °C)	ASTM D 1505	g/cm ³	0.956
Physical Property			
Tensile Strength at Yield	ASTM D 638	MPa	24
Elongation at Break	(50 mm/min)	%	350
Notched Izod Impact Strength (23 °C)	ASTM D 256A	J/m	36
Hardness	ASTM D 2240	Shore D	64
DSC Melting Temperature	ASTM D 3418	°C	131
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 Specimens

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