

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 ³	0.956
Physical Property			
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
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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