

Halene H M5818

High Density Polyethylene
Haldia Petrochemicals Ltd.

Message:

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.

General Information			
Features	General Purpose		
	Good Processability		
Uses	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	19	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Compression Molded)	24.0	MPa	ASTM D638
Tensile Elongation ³ (Break, Compression Molded)	350	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Compression Molded)	36	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	131	°C	ASTM D3418
Injection	Nominal Value	Unit	
Rear Temperature	180 to 235	°C	
Middle Temperature	180 to 235	°C	
Front Temperature	180 to 235	°C	
Nozzle Temperature	235	°C	
NOTE			
1.	23°C		
2.	50 mm/min		
3.	50 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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