

# Halene P M106

Polypropylene Homopolymer  
Haldia Petrochemicals Ltd.

Message:

M106 is a Polypropylene Homopolymer, produced by the latest generation Spheripol Technology. This homopolymer is primarily suitable for Injection Molding Process. M106 combines easy processability with high strength.

General Information			
Features	Good Processability		
	High Strength		
	Homopolymer		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	30.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1300	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	93.0	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525 <sup>2</sup>
Injection	Nominal Value	Unit	
Rear Temperature	180 to 260	°C	
Middle Temperature	180 to 260	°C	
Front Temperature	180 to 260	°C	
Nozzle Temperature	180 to 260	°C	
Mold Temperature	30.0 to 40.0	°C	
NOTE			
1.	23°C		
2.	Loading 1 (10 N)		

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