

# Halene P M310

Polypropylene Impact Copolymer

Haldia Petrochemicals Ltd.

## Message:

M310 is a Heterophasic Polypropylene Impact Copolymer (PPiCP), produced by the latest generation Spheripol II Technology. This PPiCP is primarily suitable for Injection Molding process. M310 combines excellent processability with high Flow, low Cycle Time, excellent Thermal Stability, good Impact - Stiffness balance, good Gloss & low Static Charge Build up.

General Information			
Features	Fast Molding Cycle		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Good Thermal Stability		
	High Flow		
	Impact Copolymer		
	Medium Gloss		
Uses	Battery Cases		
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)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1200	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	90	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	145	°C	ASTM D1525 <sup>2</sup>
Injection	Nominal Value	Unit	
Rear Temperature	160 to 250	°C	
Middle Temperature	160 to 250	°C	
Front Temperature	160 to 250	°C	
Mold Temperature	30.0 to 40.0	°C	

## NOTE

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|----|------------------|
| 1. | 23°C             |
| 2. | Loading 1 (10 N) |

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