

Halene P M312

Polypropylene Impact Copolymer

Haldia Petrochemicals Ltd.

Message:

M312 is a Heterophasic Polypropylene Impact Copolymer (PPiCP), produced by the latest generation Spheripol II Technology. This PPiCP is primarily suitable for Injection Molding process. M312 combines excellent processability with high Flow, low Cycle Time, good Impact - Stiffness balance and good Gloss.

General Information			
Features	Fast Molding Cycle		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Medium Gloss		
Uses	Automotive Applications		
	Compounding		
	Household Goods		
	Industrial Applications		
	Luggage		
	Pails		
	Sanitary Products		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	22.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1000	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	120	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	145	°C	ASTM D1525 ²
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			
1.	23°C		
2.	Loading 1 (10 N)		

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