HALDIA PETROCHEMICALS LTD

Halene – P*

TECHNICAL DATA SHEET M365

M365 is a Heterophasic Polypropylene Impact Copolymer with Nucleating Agent and produced by the Spheripol Technology

M365 combines excellent processability with low Cycle Time and good Impact – Stiffness balance.

M365 is recommended for use in Thin-Walled Injection Molded Products, Automotive Parts, Compounds and Appliances.

BIS Designation Code: IS 10951-3-MBV-F

Property	Test Method	Unit	Nominal Value
Melt Flow Index (2.16 kg, 230°C)	ASTM D1238, IS 13360 (Part 4/Sec 1)	g/10 min	65
Density (23°C)	ASTM D1505, IS 13360 (Part 3/Sec 11)	g/cm^3	0.90
Physical Property			
Tensile Strength at Yield	ASTM D638 (50 mm/min)	MPa	22
Tensile Elongation at Yield		%	6
Flexural Modulus (1% Secant)	ASTM D790A	MPa	1200
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	75
Vicat Softening Point (10 N)	ASTM D1525	°C	148
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	95
DSC Melting Temperature	ASTM D3418	°C	165
Suggested Processing Conditions			
Barrel Temperature	180 – 260 °C		
Mold Temperature	30 – 40 °C		

* Halene P is the registered trademark of Polypropylene of Haldia Petrochemicals Limited

Mechanical properties tested on Injection Molded Test Specimens prepared in accordance with ASTM D4101

This grade meets the requirements of:

IS 10951:2020 Specification for Polypropylene Material for Moulding and Extrusion

IS 16738:2018 Positive List of Constituents for Polypropylene, Polyethylene and their Copolymers for its Safe Use in Contact with Foodstuffs and Pharmaceuticals

IS 10910:1984 on Specification of Polypropylene for its safe use in contact with Foodstuffs, Pharmaceuticals and Drinking Water

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This product is not recommended for manufacturing of Single Use Plastic (SUP) items listed under Plastics Waste Management (PWM) Rule 2016 and its latest amendment

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