HALDIA PETROCHEMICALS LTD

Halene – P*

TECHNICAL DATA SHEET M308S

M308S is a high impact hetero-phasic Polypropylene Impact Copolymer produced by Spheripol Technology.

M308S combines excellent processability with low Cycle Time, excellent Impact and Stiffness balance.

M308S is recommended for injection molded automotive components, Housewares, Luggage, Paint Pail, Compounds.

BIS Designation Code: IS 10951-3-MB-B

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	8
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	20
Tensile Elongation at Yield		MPa	5
Flexural Modulus	ASTM D790A	MPa	1000
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	500
Vicat Softening Point (10 N)	ASTM D1525	°C	145
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	90
Suggested Processing Conditions			
Barrel Temperature	160 - 250 °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

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 10146 for use in contact with foodstuffs, pharmaceuticals and drinking water

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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