

TECHNICAL DATA SHEET

M311T

M311T is a Heterophasic Polypropylene Impact Copolymer produced by the Spheripol Technology

M311T combines excellent processability with high flow, low cycle time, good Impact – Stiffness balance with high Toughness and good Gloss

M311T is recommended for Injection Molded Automotive Components, Compounds, Molded Luggage & other Industrial Components

BIS Designation Code: IS 10951-3-MBJ-C

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	10
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	21
Tensile Elongation at Yield		MPa	7
Flexural Modulus	ASTM D790A	MPa	900
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	500
Vicat Softening Point (10 N)	ASTM D1525	°C	142
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	85
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



Halene – P*

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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