

TECHNICAL DATA SHEET

73204T

73204T is a LLDPE Roto Molding Grade produced by the Spherilene Technology with controlled morphology, excellent balance of processability, mechanical properties

73204T is ideally suited for Tanks & Containers for domestic & industrial water storage, sanitation & agriculture

BIS Designation Code: IS 7328-2B-RBO-CDC

Property	Test Method	Unit	Nominal Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238, IS 13360 (Part 4/Sec 1)	g/10 min	5.0
Melt Flow Index (5 kg, 190°C)			14
Melt Flow Index (21.6 kg, 190°C)	ASTM D1238	g/10 min	120
Density (23°C)	ASTM D1505, IS 13360 (Part 3/Sec 11)	g/cm ³	0.932
Density (23°C)	IS 2530	g/cm ³	0.932 – 0.934
Physical Property			
Tensile Strength at Yield	ASTM D638 (50 mm/min)	MPa	17
Elongation at Break		%	500
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	500
Flexural Modulus	ASTM D790A	MPa	400
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	49
Vicat Softening Point (10 N)	ASTM D1525	°C	109
DSC Melting Temperature	ASTM D3418	°C	126
ESCR (F ₅₀ , 10% Igepal soln. v/v)	ASTM D1693B	Hr	500
Suggested Processing Conditions			
Oven Temperature	240 – 280 °C		

* Halene L is the registered trademark of Linear Low Density Polyethylene of Haldia Petrochemicals Limited

Mechanical Properties are on Injection Molded test specimens prepared as per ASTM D4101

This grade meets the requirements of:

IS 7328:2020 Specification for Polyethylene Material for Moulding and Extrusion



Halene – L*

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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