

TECHNICAL DATA SHEET

73005TU

73005TU is a LLDPE Roto Molding Grade produced by the Spherilene Technology with controlled morphology, excellent balance of processability, mechanical properties & UV stability

This grade is stabilized adequately with Light Stabilizer ⁺ to give a long service life under outdoor exposure

73005TU is ideally suited for Tanks & Containers with good UV stability for domestic & industrial water storage, sanitation & agriculture

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	5.0
Density (23°C)	ASTM D1505	g/cm ³	0.934
Physical Property			
Tensile Strength at Yield	ASTM D638	MPa	17
Elongation at Break	(50 mm/min)	%	> 500
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	350
Flexural Modulus	ASTM D790A	MPa	500
Vicat Softening Point (10 N)	ASTM D1525	°C	115
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	74
Suggested Processing Conditions			
Oven Temperature		°C	240 – 280

* Halene L is the registered trademark of Linear Low Density Polyethylene of HPL

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

⁺ The total Light Stabilizer content is ~2000 ppm

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