

TECHNICAL DATA SHEET

72307E

72307E is a LLDPE produced by the Spherilene Technology

72307E can be used in Extrusion Coating on HDPE Woven Fabric, Aluminium Foil, Jute, Paper & Allied Substrates

The precise morphological control achieved during polymerization confers superior processability and improved performance properties not available in conventional LLDPE

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	7.0
Density (23°C)	ASTM D1505	g/cm ³	0.926
Physical Property			
Tensile Strength at Break	ASTM D638	MPa	18
Elongation at Break	(50 mm/min)	%	300
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	500
Flexural Modulus	ASTM D790A	MPa	300
Vicat Softening Point (10 N)	ASTM D1525	°C	85

Suggested Processing Conditions

Barrel Temperature	°C	200 – 270
Die Temperature	°C	250 – 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

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