

TECHNICAL DATA SHEET

LL T12

LL T12 is a LLDPE grade produced by the Spherilene Technology.

LL T12 can be used for Low Voltage power cable insulation, using silane-grafting process. This is a bare-foot grade and has to be suitably additivated for end use requirements.

The precise morphological control achieved during polymerization confers superior processability and improved performance properties.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D 1238	g/10 min	3.7
Density (23°)	ASTM D 1505	g/cm ³	0.926
PHYSICAL PROPERTY			
Tensile Strength at Break	ASTM D 638	MPa	20
Elongation at Break	(50 mm/min)	%	1000
Flexural Modulus	ASTM D 790A	MPa	550
Izod Impact Strength (23°C)	ASTM D 256A	J/m	500
DCS Melting Temperature	ASTM D 3418	°C	128
Volume Resistivity+	ASTM D 257	ohm.cm	0.26E+14
Dissipation Factor+ (1MHz)	ASTM D 150		0.0003
Dielectric Constant+ (1 MHz)	ASTM D 150		1.63

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

** Tensile Properties are on Compression Molded Type IV Specimens as per ASTM D 638, Gauge Length 40mm

+ Tested on Compression Molded Specimens

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