

TECHNICAL DATA SHEET

LL T12

LL T12 is a butene-1 based LLDPE grade produced by the latest generation Spherilene Gas Phase Technology. The precise morphological control achieved during polymerization confers superior processability and improved performance properties.

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

Properties	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D 1238	g/10 min	3.7
Density at 23°C	ASTM D 1505	g/cm ³	0.926
PHYSICAL PROPERTY			
Tensile Strength at Break**	ASTM D 638	MPa	20
Elongation at Break**	ASTM D 638	%	1000
Flexural Modulus	ASTM D 790	MPa	550
Izod Impact Strength ⁺ at 23°C (Notched)	ASTM D 256/A	J/m	500
DSC Melting Temperature	ASTM D 3418	°C	128

* 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, Gage length 40mm, Cross Head Speed 50mm/minute.

⁺ Tested on compression Molded Specimens

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