

Halene L LLT12

Linear Low Density Polyethylene

Haldia Petrochemicals Ltd.

Message:

LL T12 is a 1-butene based LLDPE grade produced by the Spherilene Technology.

LL T12 can be used for Low Voltage power cable insulation, using silane-crosslinking process. This is a barefoot 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.

| General Information | | | |
|---|------------------------|-------------------|-------------|
| Features | Good Processability | | |
| Uses | Low Voltage Insulation | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density ¹ | 0.926 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.7 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Break, Compression Molded) | 20.0 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break, Compression Molded) | 1000 | % | ASTM D638 |
| Flexural Modulus | 550 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, Compression Molded) | 500 | J/m | ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |
| Peak Melting Temperature | 128 | °C | ASTM D3418 |
| NOTE | | | |
| 1. | 23°C | | |
| 2. | Type IV | | |
| 3. | Type IV | | |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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