



Luban DFDA-7047

Linear Low Density Polyethylene

Description

Luban DFDA-7047 is a butene LLDPE grade offering excellent drawdown and puncture resistance combined with high gloss and clarity. Films made with Luban DFDA-7047 have very good tensile and toughness properties.

Additives:

- Thermal Stabilizer

Application

Lamination film, stretch wrap film, cling film, agricultural Film, bag in box, food packaging films, FFS packaging films, liner bags, multi-layer packaging films

Properties (Typical Values)

| Property | Unit | Test method | Value* |
|------------------------------------|--------------------|------------------|---------|
| Melt Index (190°C/2.16 kg) | g/10 min | ASTM D1238 | 1 |
| Density | g /cm ³ | ASTM D792 | 0.918 |
| Peak melting temperature | °C | Univation Method | 120 |
| Tensile stress at break (MD/TD) | MPa | ASTM D882 | 57/38 |
| Elongation at break (MD/TD) | % | ASTM D882 | 590/860 |
| Secant modulus – 1% secant (MD/TD) | MPa | ASTM D882 | 220/250 |
| Dart Drop Impact | g | ASTM 1709A | 120 |
| Elmendorf tear strength (MD/TD) | g | ASTM D1922 | 120/480 |
| Gloss (45°) | | ASTM D2457 | 47 |
| Haze | % | ASTM D1003 | 9 |

*The film properties have been measured on 30 µm (1.18 mil) thick films (Blow-up ratio: 2.5).

Note: These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.



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Storage and Handling

Luban DFDA-7047 should be stored in well ventilate area during handling or processing of to prevent accumulation of dust and fumes. Avoid contact with strong oxidizers, excessive heat, sparks or open flame as this could well speed up alteration and consequently loss of quality of the material in which could lead to unforeseen dangers. The bags must be protected from direct sunlight and should be stored in shaded and completely dry area for good processing.

Safety

Luban DFDA-7047 is not classified as dangerous preparation. For further information about safety in handling and processing please refer to the Safety Data Sheet.

Food Contact

Luban DFDA-7047 meets the requirements of the U.S. Food and Drug Administration (FDA) as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact. For additional information on approved conditions of use for food contact applications, please refer to the "Product Stewardship Declaration".

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

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Disclaimer:

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