# Luban DFDA-7059

## Linear Low Density Polyethylene

## Description

Luban DFDA-7059 is a butene LLDPE grade designed for the cast film process. It offers high gloss and excellent draw down in both blown and cast film applications. Films made from DFDA-7059 resin have very good tensile and toughness properties.

Additives:
• Thermal Stabilizer

## Application

Cast film, cast stretch film, garment film, general packaging, hygiene film, institutional can liners, produce bags, bags on roll

## Properties (Typical Values)

| Property | Unit | Test method | Value* |
|---|---|---|---|
| Melt Index (190°C/2.16 kg) | g/10 min | ASTM D1238 | 2 |
| Density | g /cm³ | ASTM D792 | 0.918 |
| Peak melting temperature | °C | Univation Method | 120 |
| Tensile stress at yield (MD/TD) | MPa | ASTM D882 | 7.4/6.5 |
| Tensile stress at break (MD/TD) | MPa | ASTM D882 | 61.7/24.8 |
| Elongation at break (MD/TD) | % | ASTM D882 | 420/830 |
| Secant modulus – 1% secant (MD/TD) | MPa | ASTM D882 | 114/132 |
| Dart Drop Impact | g | ASTM 1709A | <48 |
| Elmendorf tear strength (MD/TD) | g | ASTM D1922 | 21/430 |
| Gloss (45°) | | ASTM D2457 | 98 |
| Haze | % | ASTM D1003 | 1.7 |

* The film properties have been measured on 20 µm (0.8 mil) thick cast film.

**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-7059 must be protected from direct sunlight and should be stored in a shaded and completely dry area. During handling and processing, the material should be kept in a well-ventilated area to prevent the accumulation of dust and fumes. Contact with strong oxidizers, excessive heat, sparks or open flame should be avoided as this could initiate the degradation process and consequently impact the quality of the material.

## Safety

Luban DFDA-7059 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-7059 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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