Luban DFDC-7080
Linear Low Density Polyethylene

Description

DFDC-7080 is a butene LLDPE grade offering excellent drawdown and puncture resistance combined with high gloss and clarity. Films made from DFDC-7080 resin have very good tensile and toughness properties.

Additives:
- Anti-block: High
- Slip: Medium
- Thermal Stabilizer

Application

Agricultural Film, bag in box, food packaging films, FFS packaging films, garment bags, liner bags, multi-layer packaging films, cast film, drip irrigation tubes

Properties (Typical Values)

Property	Unit	Test method	Value*
Melt Index (190°C/2.16 kg)	g/10 min	ASTM D1238	1
Density	g /cm³	ASTM D792	0.918
Melting temperature (DSC)	°C	ASTM D3418	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 film (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 DFDC-7080 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 DFDC-7080 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 DFDC-7080 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:
Values given here are typical and should not be interpreted as specification. Before using OQ product, customers and other users should make their own independent determination that the product is suitable for the intended use. This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. In addition, no immunity under OQ or third parties' intellectual property rights shall be implied from this document. No one is authorized to make any warranties, issue any immunities or assume any liabilities on behalf of OQ except in a writing signed by an authorized OQ employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at OQ's option, and in no event shall OQ be liable for special, consequential, incidental, punitive or exemplary damages.

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