Luban DFDA-7042

Linear Low Density Polyethylene

Description

Luban DFDA-7042 is a butene LLDPE grade designed for the blown film process. It offers high gloss and excellent draw down in blown film applications. Films made from DFDA-7042 resin have very good tensile and toughness properties.

Additives:
• Thermal Stabilizer

Application

Blown film, cast film, lamination film, garment film, general packaging, freezer film, institutional can liners, produce bags on a 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	121
Tensile stress at yield (MD/TD)	MPa	ASTM D882	11/10
Tensile stress at break (MD/TD)	MPa	ASTM D882	49/29
Elongation at break (MD/TD)	%	ASTM D882	600/800
Secant modulus – 1% secant (MD/TD)	MPa	ASTM D882	190/220
Dart Drop Impact	g	ASTM 1709A	66
Elmendorf tear strength (MD/TD)	g	ASTM D1922	85/400
Gloss (45°)		ASTM D2457	76
Haze	%	ASTM D1003	4.4

* The film properties have been measured on 25.4 µm (1.0 mil) thick blown 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 DFDA-7042 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-7042 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-7042 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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