

LD2420D

Low Density Polyethylene Resin

Special Characteristics : InnoPlus LD2420D is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade offers easy processability, good balance of mechanical and optical properties. Film extruded from InnoPlus LD2420D has high tensile strength, elongation, good toughness and good tear strength.

Typical Applications : InnoPlus LD2420D is recommended for producing the heavy duty films, agricultural films, shrink films, tubes and small extrusion blow molding containers.

Typical Properties :

Properties	LD2420D	Unit	Test Method
<u>Physical Properties (Based on pellets and press-molded sheet)</u>			
Melt Flow Rate at 190 °C, 2.16 kg.	0.27	g/10 min	ISO 1133
Density	0.922	g/cm ³	ISO 1183
Melting Temperature	112	°C	ISO 11357
Vicat Softening Point	96	°C	ASTM D1525
Tensile strength at Yield	10	N/mm ²	ISO 527
Tensile Modulus	240	N/mm ²	ISO 527
<u>Film Properties* (Based on blown film)</u>			
Max. Tensile Strength (MD/TD)	28 / 27	MPa	ISO 527
Ultimate Elongation (MD/TD)	450 / 700	%	ISO 527
Dart Drop Impact	220	g	ASTM D1709
Haze	8	%	ASTM D1003
Gloss (20°)	50	-	ASTM D2457

* film properties obtained from 70 microns film which was blown film extruded at blow up ratio 2.5

Processing Condition :

The recommended temperature setting is in the range of 170 °C to 220 °C.

FDA Statement :

LDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 regulation for polyethylene used in articles that contact food except for articles used for packaging or holding food during cooking.

Disclaimer :

This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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