

# LD2420F

## Low Density Polyethylene Resin

**Special Characteristics :** InnoPlus LD2420F is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade offers excellent processability for increased extruder outputs, good balance of mechanical and optical properties, exceptional clarity and gloss.

**Typical Applications :** InnoPlus LD2420F is recommended for producing the heavy duty films, agricultural films, shrink films, tubes and small extrusion blow molding containers.

**Additives :** No slip, No antiblock.

**Typical Properties :**

Properties	LD2420F	Unit	Test Method
<i><b>Physical Properties (Based on pellets and press-molded sheet)</b></i>			
Melt Flow Rate at 190 °C, 2.16 kg.	0.75	g/10 min	ISO 1133
Density	0.922	g/cm <sup>3</sup>	ISO 1183
Melting Temperature	112	°C	ISO 11357
Vicat Softening Point	94	°C	ASTM D1525
Tensile strength at Yield	11	N/mm <sup>2</sup>	ISO 527
Tensile Modulus	260	N/mm <sup>2</sup>	ISO 527
<i><b>Film Properties* (Based on blown film)</b></i>			
Max. Tensile Strength (MD/TD)	25 / 23	MPa	ISO 527
Ultimate Elongation (MD/TD)	400 / 700	%	ISO 527
Dart Drop Impact	170	g	ASTM D1709
Haze	6	%	ASTM D1003
Gloss (20°C)	60	-	ASTM D2457

\* film properties obtained from 50 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.

- Determination of suitability of the product for the use and purpose shall be the customer's responsibility. Customer is obligated to inspect and test the product for such suitability. Customer is responsible for appropriate, safe, legal use processing and handling of the product.
- To our best knowledge, information contained herein is true and accurate as of the date of its publication. However, we make no representations or warranties with respect to accuracy, reliability and completeness of the information contained herein for any purpose.
- No warranties, express or implied, which extend beyond the description herein are given by us. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- We assume no liability for any use of the product in combination with other materials. The information contained herein entirely relates to the product when it is not used in combination with any third party's materials.

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

PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.