

# LD2420K

Low Density Polyethylene Resin

**Special Characteristics :** InnoPlus LD2420K is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade has well balance property of optical property, mechanical property and processability.

**Typical Applications :** InnoPlus LD2420K is designed for variety of film application such as general purpose film, shrink film, zip bag and food packaging film. In addition, LD2420K is very suitable for liner cap, drinking water cap and vegetable oil cap and foam application.

**Additives :** No Slip and No Antiblock

**Typical Properties :**

Properties	LD2420K	Unit	Test Method
<b>Physical Properties (Based on pellets and press-molded sheet)</b>			
Melt Flow Rate (190 °C, 2.16 kg)	4.0	g/10 min	ISO 1133
Density	0.924	g/cm <sup>3</sup>	ISO 1183
Melting Temperature	112	°C	ISO 11357
Vicat Softening Point	92	°C	ASTM D1525

<b>Film Properties* (Based on blown film)</b>			
Max. Tensile Strength (MD/TD)	17 / 15	MPa	ISO 527
Ultimate Elongation (MD/TD)	490 / 600	%	ISO 527
Dart Drop Impact	100	g	ASTM D1709
Haze	7	%	ASTM D1003
Gloss (20°)	90	-	ASTM D2457

\* film properties obtained from 50 microns film which was blown film extruded at blow up ratio 2.0

**Recommendation :**

The recommended temperature setting is in the range of 150 - 190 °C

**FDA Statement :**

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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

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