

## LD2026K

Low Density Polyethylene Resin

**Special Characteristics :** InnoPlus LD2026K is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade is excellent transparency, mechanical property and processability.

**Typical Applications :** InnoPlus LD2026K is designed for variety of film application such as general purpose and thin film, zip bag and food packaging film. In addition, LD2026K is very suitable for liner cap, drinking water cap and vegetable oil cap.

**Additives :** Slip 600 ppm and Antiblock 800 ppm

**Typical Properties :**

| Properties   | LD2026K   | 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  | 0.920     | g/cm <sup>3</sup> | ISO 1183    |
| Melting Temperature  | 109       | °C                | ISO 11357   |
| Vicat Softening Point  | 88        | °C                | ASTM D1525  |
| <b>Film Properties* (Based on blown film)</b>                        |           |                   |             |
| Max. Tensile Strength (MD/TD)  | 18 / 16   | MPa               | ISO 527     |
| Ultimate Elongation (MD/TD)  | 470 / 680 | %                 | ISO 527     |
| Dart Drop Impact   | 100       | g                 | ASTM D1709  |
| Haze   | 6         | %                 | 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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