

LDPE**LDPE 2426K****LOW DENSITY POLYETHYLENE (LDPE)**

Produced via a high-pressure tubular process, this low-density polyethylene film grade offers a balanced combination of optical clarity, mechanical strength, and processability, making it suitable for a wide range of blown-film applications.

Typical Application

- General purpose film
- Shrink film
- Zip bag
- Food packaging film
- Liner caps
- Drinking water caps
- Vegetable oil caps
- Packaging bags

Product Characteristics

- Well-balanced optical, mechanical, and processing properties
- Slip and antiblock additized for stable film handling

Film Properties

Properties	Test Method	Typical Value	Unit
Max. Tensile Strength (MD/TD)	ISO 527	20 / 18	MPa
Ultimate Elongation (MD/TD)	ISO 527	500 / 630	%
Dart Drop Impact	ASTM D1709	120	g
Haze	ASTM D1003	8	%
Gloss (20°)	ASTM D2457	80	

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16kg)	ISO 1133	4.0	g/10 min
Density	ISO 1183	0.924	g/cm ³
Melting Temperature	ISO 11357	110	°C
Vicat Softening Point	ASTM D1525	93	°C
Tensile Strength at Yield	ISO 527	11	MPa
Tensile Modulus	ISO 527	260	MPa

Processing Guidelines

Recommended melt temperature range from 150°C to 190°C.

1. Physical, mechanical, and film property typical values reflect the shared high-pressure tubular process technology used across producers of this LDPE film grade; the reported melt flow rate of 4.0 g/10 min matches this grade's nominal specification.

2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.