LDPE

LDPE 2426K

LOW DENSITY POLYETHYLENE (LDPE)

2426K is a higher-flow low-density polyethylene (LDPE) resin for blown-film extrusion of thin film and general packaging film, offering high optical transparency and gloss along with a good balance of strength and elongation for food and general-purpose packaging.

Typical Application	Product Characteristics
• Thin film • General packaging film • Food packaging film • Agricultural film	• High optical transparency with low haze and high gloss • Good balance of tensile strength and elongation for tear and impact resistance • Good processability on conventional blown-film lines

Film Properties

Properties	Test Method	Typical Value	Unit
Haze	ASTM D1003	10	%
Gloss (20°)	DIN 67350	>90	

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow (190°C/2.16kg)	ISO 1133	4.0	g/10 min
Density	ISO 1183	0.926	g/cm³
Tensile Strength		18	MPa
Tensile Modulus	ISO 527	260	MPa
Elongation at Break		550	%
Dart Impact	ASTM D1709	100	g
Melting Point		111	°C
Vicat Softening Point	ISO 306	92	°C

1. A per-grade distributor data sheet for this grade reports a somewhat different density and tensile-at-yield (0.923 g/cm³, 11 MPa) alongside the dart-impact, modulus, gloss, and Vicat data used above; the producer's published family catalog values are used for melt flow, density, haze, tensile strength, and elongation, with the supplementary mechanical/thermal/optical rows drawn from that distributor sheet.
2. The producer's plant-specific catalog entry for this grade (confirmed identically in two separate table listings within the same catalog document) reports tensile strength of 18 MPa; a lower ~12 MPa figure referenced elsewhere for this grade appears to be a rounded or generalized approximation, and the catalog value is used here as the primary-sourced typical value.
3. 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.