

LDPE**LDPE 2420H****LOW DENSITY POLYETHYLENE (LDPE)**

This low-density polyethylene resin combines excellent overall properties with good chemical stability and cost efficiency. It offers good shaping and processing performance, and its base composition supports further modification through copolymerization, grafting, blending, reinforced filling, transparency enhancement, and weathering-resistance treatments.

Typical Application

- General film
- Shrink film
- High-transparency film

Product Characteristics

- Excellent comprehensive properties and good chemical stability
- Good shape and processing performance
- Cost-efficient formulation suitable for further modification

Physical Properties

Properties	Test Method	Typical Value	Unit
Density	ISO 1183	0.921	g/cm ³
Melt Flow Rate	ISO 1133	1.9	g/10 min
Shore Hardness (Shore D)	ISO 868	45	
Tensile Modulus	ISO 527-2	175	MPa
Tensile Strength	ISO 527-2	175	MPa
Tensile Strain at Break	ISO 527-2	850	%
Modulus of Elasticity	Internal Method	250	MPa
Vicat Softening Point	ISO 306/A50	89.0	°C
Melting Point	DIN 53765	108	°C
Peak Crystallization Temperature	DIN 53765	97.0	°C
Heat of Fusion	DIN 53765	110	J/g
Volume Resistivity	ASTM D257	8.50E+15	ohm·cm
Dielectric Strength	ASTM D149	30.0	kV/mm
Dielectric Constant (60Hz)	ASTM D150	2.20	
Dissipation Factor (60Hz)	ASTM D150	0.00050	

1. Source datasheet lists an identical value (175 MPa, ISO 527-2) for both Tensile Modulus and Tensile Strength; reproduced as reported. Confirm the required value on the certificate of analysis at order.

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.