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ARYA SASOL POLYMER COMPANY

LOW-DENSITY POLYETHYLENE LFI2125A

LFI2125A Low-density polyethylene film grade, produced under SABTEC licensed technology, is designed for blown film extrusion applications like packaging and lamination. It is particularly significant for applications requiring ultimate down-gauging, offering excellent drawdown, good optical properties, and efficient processing.

Producer	Characteristic Properties	Applications	Additive
Arya Sasol Polymer Company	Good toughness- High speed converting without sticking- Good optical properties- Suitable when ultimate down gauging is required	Blown film extrusion- Packaging film for food and goods- General lamination films	Antioxidant: Yes Antiblock : Yes Slip Agent : Yes

Typical Properties

Resin Properties	Unit	Typical Value	ASTM Method
MFI (190 °C /2.16 Kg)	dg/min	2.5	ISO 1133

Density	kg/m3	921	ISO 1183
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Thermal Properties	Unit	Typical Value	Test Method
Haze	%	9	ASTM D1003 A

Gloss (45°)	%	60	ASTM D2457
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Mechanical Properties	Unit	Typical Value	Test Method
Impact Strength	kJ/m	23	ASTM D4272

Tear Strength (TD/MD)	kN/m	25/70	ISO 6383-2
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Yield Stress (TD/MD)	MPa	11/13	ISO 527-1,3
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Tensile Stress at Break (TD/MD)	MPa	19/30	ISO 527-1,3
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Strain at Break (TD)	%	> 500	ISO 527-1,3
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Modulus of Elasticity (TD/MD)	MPa	180/190	ISO 527-1,3
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Coefficient of Friction	-	0.2	ASTM D1894
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Blocking	g	< 5	ASTM D3354
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