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ARYA SASOL POLYMER COMPANY

HIGH DENSITY POLYETHYLENE LFI 2119

The LDPE LFI 2119 is a type of low-density polyethylene (LDPE) known for its excellent optical properties. It is specifically designed for applications that require high output and excellent drawdown ability, making it suitable for general-purpose thin films. This grade of LDPE is particularly useful in packaging film and general lamination films due to its unique properties.

Producer	Characteristic Properties	Applications	Additive
Arya Sasol Petrochemical	Very good optical properties Good toughness Good melt strength	Blown film extrusion- Packaging film and general lamination films	Antioxidant: Yes Antiblock : No Slip Agent : No

Typical Properties

Resin Properties	Unit	Typical Value	ASTM Method
MFI (190 °C /2.16 Kg)	g/10 min	1.9	ISO 1133

Density	Kg/m3	921	ISO 1183 (A)
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Optical Properties	Unit	Typical Value	Test Method
Haze	%	9	ASTM D1003 A

Gloss (45°)	GU	55	ASTM D2457
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Mechanical Properties	Unit	Typical Value	Test Method
Impact Strength	k J /	26	ASTM D4272

Tear Strength (TD)	kN/m	25	ISO 6383-2
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Yield Stress (TD)	MPa	11	ISO 527-1,3
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Tensile Stress at Break (TD)	MPa	20	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)	MPa	190	ISO 527-1,3
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Coefficient of Friction	-	>1	ASTM D1894
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Blocking	g	20	ASTM D3354
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