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ARYA SASOL POLYMER COMPANY

LOW-DENSITY POLYETHYLENE LFI2130

LFI 2130 is a high molecular weight, low density polyethylene for producing heavy-duty packaging films for application like shrink hoods. LFI 2130 contains no slip agent and antiblock additives. This grade offers outstanding strength and toughness, very good draw down ability and biaxial shrink properties.

Producer	Characteristic Properties	Applications	Additive
Arya Sasol Petrochemical	Good Strength and toughness- Very good melt strength	Blown film extrusion- Heavy duty packaging film- Shrink hoods- Industrial sacks- Carrier bags and liners.	Antioxidant: Yes Antiblock: No Slip Agent: No

Typical Properties

Resin Properties	Unit	Typical	ASTM Method
MFI (190 °C /2.16 Kg)	dg/min	0.3	ISO 1133

Density	kg/m3	921	ISO 1183
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Optical Properties	Unit	Typical Value	Test Method
Haze	%	12	ASTM D1003 A
Gloss (45°)	GU	55	ASTM D2457
Melting Temperature	mV	50	SABTEC method

Mechanical Properties	Unit	Typical Value	Test Method
Impact Strength	kJ/m	31	ASTM D4272
Tear Strength (TD)	kN/m	45	ISO 6383-2
Yield Stress (TD)	MPa	10	ISO 527-1,3
Tensile Stress at Break (TD)	MPa	24	ISO 527-1,3
Strain at Break (TD)	%	> 500	ISO 527-1,3
Modulus of Elasticity (TD)	MPa	150	ISO 527-1,3