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## LOW-DENSITY POLYETHYLENE

### LFI2119

" LFI 2119 " is a low-density polyethylene, with excellent optical properties. This grade offers high output and excellent draw-down ability during processing and is specially designed for general-purpose thin films. LFI 2119 has been manufactured under SABTEC-licensed technology.

#### Producer:

Arya Sasol Petrochemical Company

NO	Property	Value	Units	Test Method
1	MFI (190 °C /2.16 Kg)	1.9	dg/min	ISO 1133
2	Density	921	Kg/m <sup>3</sup>	ISO 1183 (A)
3	Impact Strength	26	KJ/m	ASTM D4272
4	Tear Strength (TD)	25	KN/m	ISO 6383-2
5	Tear Strength (MD)	60	KN/m	ISO 6383-2
6	Yield Stress (TD)	11	MPa	ISO 527-1,3
7	Yield Stress (MD)	13	MPa	ISO 527-1,3
8	Tensile Stress at Break (TD)	20	MPa	ISO 527-1,3
9	Tensile Stress at Break (MD)	35	MPa	ISO 527-1,3
10	Strain at Break (TD)	>500	%	ISO 527-1,3
11	Strain at Break (MD)	>150	%	ISO 527-1,3
12	Modulus of Elasticity (TD)	200	MPa	ISO 527-1,3
13	Modulus of Elasticity (MD)	190	MPa	ISO 527-1,3
14	Coefficient of Friction	>1	-	ASTM D1894
15	Blocking	20	g	ASTM D3354
16	Re-blocking	100	g	SABTEC method
17	Haze	9	%	ASTM D1003 A
18	Gloss (45°)	55	GU	ASTM D2457
19	Extruder temperature profile: 165-185°C	Blow up ratio: 2-3	film thickness: 20-50 µm	

#### Applications:

- Blown film extrusion- Packaging film and general lamination films



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