

Technical Data Sheet**LFI 2119**

Low Density Polyethylene

LFI2119 is a low-density polyethylene, with excellent optical properties. This grade offers high output and excellent drawdown and specially designed for general-purpose thin films. LFI2119 has been manufactured under SABTEC licensed technology.

Applications

Blown film extrusion, packaging film, general lamination film

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Typical Properties	Typical Value ¹	Units	Test Method
Physical			
Melt Flow Index(190°C/2.16 kg)	1.9	dg/ min	ISO 1133
Density ²	921	kg/m3	ISO 1183(A)
Mechanical ³			
Impact Strength	26	KJ/m	ASTM D4272
Tear Strength(TD)	25	KN/m	ISO 6383-2
Tear Strength(MD)	60	KN/m	ISO 6383-2
Yield Stress(TD)	11	MPa	ISO 527-1,3
Yield Stress(MD)	13	MPa	ISO 527-1,3
Tensile Stress at Break(TD)	20	MPa	ISO 527-1,3
Tensile Stress at Break(MD)	35	MPa	ISO 527-1,3
Strain at Break (TD)	>500	%	ISO 527-1,3
Strain at Break (MD)	>150	%	ISO 527-1,3
Modulus of Elasticity (TD)	200	MPa	ISO 527-1,3
Modulus of Elasticity (MD)	190	MPa	ISO 527-1,3
Coefficient of Friction	>1	--	ASTM D1894
Blocking	20	g	ASTM D3354
Re-blocking	100	g	SABTEC method
Optical			
Haze	9	%	ASTM D1003 A
Gloss(45°)	55	GU	ASTM D2457
Recommended Process Conditions ⁴			
Extruder Temperature profile: 165-185 °C		Blow up ratio: 2-3	
Extruder Barrel Temperature: 20-50 µm			