



LDPE

LFI 2119

Low Density Polyethylene

Product Description

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.

Typical Properties	Typical Value 1	Unit	Test Method
Physical			
MFI (190 °C /2.16 Kg)	1.9	dg/min	ISO 1133
Density 2	921	Kg/m ³	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	-	--
film thickness: 20-50 um	-	-	