



Product: **Low-Density Polyethylene**

Grade: **LFI 2119**

Application: Blown Film

Packing: 25 kg Bags

PRODUCT SPECIFICATION			
Typical Properties	Typical Value ¹	Unit	Test Method
Physical			
Melt Flow Index (190°C/ 2.16 kg)	1.9	dg/min	ISO 1133
Density ²	921	kg/m ³	ISO 1183(A)
Mechanical³			
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 Conditions⁴			
Extruder Barrel Temperature: 165-185°C		Blow up ratio: 2-3	
Extruder Barrel Temperature: 20-50 µm			

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WORLDARCH EXIM PVT. LTD.

Flat No. EWS-GF08. La Lagune, Sector54, Golf Course Road, Gurgaon Haryana-122002 India