



Product: **Low-Density Polyethylene**

Grade: **LFI 2047A**

Application: Blown Film

Packing: 25 kg Bags

PRODUCT SPECIFICATION			
Typical Properties	Typical Value ¹	Unit	Test Method
Physical			
MFI (190°C/ 2.16 Kg)	4.7	dg/min	ISO 1133
Density ²	920	kg/m ³	ISO 1183(A)
Mechanical³			
Impact Strength	15	kJ/m	ASTM D4272
Tear Strength (TD)	25	kN/m	ISO 6383-2
Tear Strength (MD)	80	kN/m	ISO 6383-2
Yield Stress (TD)	11	MPa	ISO 527-1,3
Yield Stress (MD)	12	MPa	ISO 527-1,3
Tensile Stress at Break (TD)	15	MPa	ISO 527-1,3
Tensile Stress at Break (MD)	27	MPa	ISO 527-1,3
Strain at Break (TD)	>500	%	ISO 527-1,3
Strain at Break (MD)	>100	%	ISO 527-1,3
Modulus of Elasticity (TD)	200	MPa	ISO 527-1,3
Modulus of Elasticity (MD)	200	MPa	ISO 527-1,3
Coefficient of Friction	0.2	-	ASTM D1894
Blocking	20	g	ASTM D3354
Re-blocking	10	g	SABTEC method
Optical			
Haze	9	%	ASTM D1003 A
Gloss (45°)	55	%	ASTM D2457
Clarity	21	mV	SABTEC method
Recommended Process Conditions⁴			
Extruder Temperature Profile: 145-160°C		Blow up ratio: 2-3	
Film thickness: 25-50 µm			

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