



Technical Datasheet: LFI 2047A

Product Description:

LFI2047A is a low density polyethylene, with good toughness and good optical properties. This product offers a medium level of antiblock and slip agent (Erucamide), low energy consumption during processing and a good draw down ability. It typically exhibits low friction and low blocking. LFI2047A has been manufactured under SABTEC licensed technology.

Applications:

- Blown film extrusion
- high clarity laundry bag
- textile wrapping film
- zip lock bag

Typical data:

Property	Test method	Unit	value
MFI (190 °C / 2.16 Kg)	ISO 1133	dg/min	4.7
Density	ISO 1183	Kg/m ³	920
Impact Strength	ASTM D2534	KJ/ M	15
Tear Strength(TD)	ASTM D6383-2	KJ/ M	25
Tear Strength(MD)	ASTM D6383-2	KJ/ M	80
Yield Stress (TD)	ISO 527-1,3	MPA	11
Yield Stress (MD)	ISO 527-1,3	MPA	12
Tensile Stress at Break (TD)	ISO 527-1,3	MPA	15
Tensile Stress at Break (MD)	ISO 527-1,3	MPA	27
Strain at Break (TD)	ISO 527-1,3	%	>500
Strain at Break (MD)	ISO 527-1,3	%	>100
Modulus of Elasticity (TD)	ISO 527-1,3	MPA	200
Modulus of Elasticity (MD)	ISO 527-1,3	MPA	200
Coefficient of Friction	ASTM D1894	-	0.2
Blocking	ASTM D1335F	g	20
Re-blocking	SABTEC method	g	10
Haze	ASTM D1003 A	%	1
Gloss (F5°)	ASTM D2457	%	55
Clarity	SABTEC method	mV	21