



LFI 2047A

Low Density polyethylene

LFI2047A is a low density polyethylene, with good toughness and good optical properties. This product contains a medium level of anti-block and slip agent (Erucamide), has low energy consumption during processing and a good draw down ability. It typically exhibits low friction and low blocking.

Producer:

ARYA SASOL Petrochemical Company

Physical Properties

No	Property	Value	Units	Test Method
1	MFI (190 °C/ 2. 16 Kg)	4.7	dg/min	ISO 1183
2	Density	920	Kg/m ³	-
Mechanical properties				
3	Impact strength	15	KJ/m	ASTM D 4272
4	Tear strength (TD)	25	KN/m	ISO 6383-2
5	Tear Strength (MD)	80	KN/m	ISO 6383-2
6	Yield stress (TD)	11	MPa	ISO 527
7	Yield stress (MD)	12	MPa	ISO 527
8	Tensile Stress at break (TD)	15	MPa	ISO 527
9	Tensile Stress at break (MD)	27	MPa	ISO 527
10	Strain at Break (TD)	>500	%	ISO 527
11	Strain at Break (MD)	100	%	ISO 527
12	Modulus of Elasticity (TD)	200	MPa	ISO 527
13	Modulus of Elasticity (MD)	200	MPa	ISO 527
14	Coefficient of friction	0.2	-	ASTM D 1894
15	Blocking	20	g	SABTEC method
16	Re- Blocking	10	g	SABTEC method
Optical properties				
17	Haze	9	%	ASTM D 1003A
18	Gloss(45°)	55	%	ASTM D 2457
19	Clarity	21	mV	-