



# LFI 2047A

Low Density polyethylene

LFI2125A is a low density polyethylene, with a medium level of anti-block and slip agent (Erucamide). This grade offers good optical properties, low energy consumption during processing, adequate COF level and excellent draw down. LFI2125A has been manufactured under SABTEC licensed technology.

## Producer:

ARYA SASOL Petrochemical Company

No	Property	Value	Units	Test Method
1	MFI (190 °C/ 2. 16 Kg)	2.5	dg/min	ISO 1183
2	Density	921	Kg/m <sup>3</sup>	-
Mechanical properties				
3	Impact strength	23	KJ/m	ASTM D 4272
4	Tear strength (TD)	25	KN/m	ISO 6383-2
5	Tear Strength (MD)	70	KN/m	ISO 6383-2
6	Yield stress (TD)	11	MPa	ISO 527-1,3
7	Yield stress (MD)	13	MPa	ISO 527-1,3
8	Tensile Stress at break (TD)	19	MPa	ISO 527-1,3
9	Tensile Stress at break (MD)	30	MPa	ISO 527-1,3
10	Strain at Break (TD)	>500	%	ISO 527-1,3
11	Strain at Break (MD)	>100	%	ISO 527-1,3
12	Modulus of Elasticity (TD)	180	MPa	ISO 527-1,3
13	Modulus of Elasticity (MD)	190	MPa	ISO 527-1,3
14	Coefficient of friction	0.2	-	ASTM D 1894
15	Blocking	<5	g	ASTM D3354
16	Re-blocking	0	g	SABTEC method
Optical properties				
17	Haze	9	%	ASTM D1003 A
18	Gloss(45°)	60	%	ASTM D2457
19	Clarity	30	%	SABTEC method