



Producer: Arya Sasol Petrochemical Co. / Iran

## LF 2125A

### Description:

LF 2125A has been manufactured using Sabtec CTR<sup>®</sup> licensed technology and the appropriate manufacturing parameters and hence it is expected to be similar to SABIC<sup>®</sup> LDPE 2102TN33 grade.

### Applications:

LF 2125A is suitable for general purpose film, bubble film and sheet foam extrusion with physical blowing agents.

### Additives:

Antioxidant, Slip, Antiblock

DESCRIPTION OF PROPERTIES	VALUE	UNIT	TEST METHOD
<b>Physical Properties</b>			
MFR (190°C/2.16kg)	2.5	g/10min	ISO 1133
Density	0.921	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical Properties</b>			
Tensile stress at yield MD	11	Mpa	ISO 527-1-2-3
Tensile stress at yield TD	10	Mpa	
Tensile strength at break MD	19	Mpa	ISO 6383-2
Tensile strength at break TD	20	Mpa	
Strain at break MD	>100	%	ASTM D 4272
Strain at break TD	>500	%	
Modulus of elasticity MD	180	Mpa	ASTM D 1894
Modulus of elasticity TD	200	Mpa	
Tear strength MD	25	kN/m	ASTM D 3354
Tear strength TD	20	kN/m	
Impact strength	23	kJ/m	ASTM D 1003
Coefficient of friction	0.2		ASTM D 2457
Blocking	<5	g	Sabic method
<b>Optical Properties</b>			
Haze	12	%	
Gloss(45°)	50		
Clarity	30	mV	

### Film Properties:

The Film properties have been measured on film of 25µm with a BUR of 3:1

### Processing:

Low Density polyethylene LF 2125A is a grade with good toughness and outstanding bi-axial shrink properties. The material a high anti-block level and medium level of slip agent (Erucamide). The grade has low energy consumption during processing and has good draw down ability.

### Packaging:

Supplied in pallet form and can be packaged in 25kg bags.

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