

**REPSOL  
YPF**



**ALCUDIA®  
LD POLYETHYLENE**

# LDPE ALCUDIA® 2008-FG

## DESCRIPTION

ALCUDIA® 2008-FG is a low density polyethylene grade, produced by high pressure tubular technology, for blown or cast film applications. This material offers easy processability and good balance of slip, mechanical and optical properties. It contains slip and antiblock additives.

ALCUDIA® 2008-FG fulfils the food contact regulations in most countries. For further information or certificates, contact our Customer Service Offices.

## APPLICATIONS

- General packaging film.
- Medium duty sacks.
- High clarity, medium slip film.
- Shrink film with high mechanical resistance.

Recommended melt temperature range from 170 to 200°C.

Processing conditions should be optimised for each production line.

PROPERTIES	TEST METHOD	UNITS	VALUE
<b>General</b>			
Melt Flow Rate (190°C, 2.16kg)	ISO 1133	g/10 min	0.75
Density at 23°C	ISO 1183	kg/m <sup>3</sup>	922
Vicat softening temperature (load 10 N)	ISO 306	°C	93
<b>Film (1)</b>			
Dart drop (F <sub>50</sub> )	ISO 7765-1	g	220
Tear resistance (Elmendorf) (MD/TD)	ISO 6383-2	cN	250/160
Tensile stress at break (MD/TD)	ISO 527-3	MPa	25/20
Tensile stress at yield (MD/TD)	ISO 527-3	MPa	9/9
Elongation at break (MD/TD)	ISO 527-3	%	250/550
Coefficient of friction	ISO 8295	-	<0.1
Gloss (45°)	ASTM D-2457	%	50
Haze	ASTM D-1003	%	13

(1) 50 µm thickness film, blow up ratio 2.25:1, frost line height 50 cm.

## STORAGE

ALCUDIA® 2008-FG should be stored in a dry atmosphere paved, drained and not flooded area at temperatures under 60°C and protected from UV radiation. Storage under improper conditions could trigger off degradation processes, negatively influencing processability and the properties of the transformed product.

October 2004

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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