

**REPSOL
YPF**



**ALCUDIA®
LD POLYETHYLENE**

LDPE ALCUDIA® 2107F

DESCRIPTION

ALCUDIA® 2107F is a low density polyethylene grade, produced by high pressure autoclave technology, for blown film applications. This material offers easy processability and good balance of mechanical properties.

ALCUDIA® 2107F fulfils the food contact regulations in most countries. For further information or certificates, contact our Customer Service Offices.

APPLICATIONS

- Fine shrink films
- Carrier-bag films
- Medium duty sacks
- Lamination films / Food packaging

Recommended melt temperature range from 160 to 190°C.
Processing conditions should be optimised for each production line.

PROPERTIES	TEST METHOD	UNITS	VALUE
General			
Melt Flow Rate (190°C, 2.16kg)	ISO 1133	g/10 min	0.7
Density at 23°C	ISO 1183	kg/m ³	921
Vicat softening temperature (load 10 N)	ISO 306	°C	96
Film (1)			
Dart drop (F ₅₀)	ISO 7765-1	g	130
Tear resistance (Elmendorf) (MD/TD)	ISO 6383-2	cN	400/200
Tensile stress at break (MD/TD)	ISO 527-3	MPa	20/24
Elongation at break (MD/TD)	ISO 527-3	%	300/500
Coefficient of friction (Dynamic)	ISO 8295	-	0.7
Gloss (45°)	ASTM D-2457	%	75
Haze	ASTM D-1003	%	12

(1) 40 µm thickness film, blow up ratio 2.5:1.

STORAGE

ALCUDIA® 2107F 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.

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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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