

Technical Data Sheet

**REPSOL
YPF**



**ALCUDIA®
LD POLYETHYLENE**

LDPE ALCUDIA® 2203F

DESCRIPTION

ALCUDIA® 2203F is a low density polyethylene grade, produced by high pressure autoclave technology, for blown or cast film applications. This material offers easy processability and good balance of mechanical properties.

ALCUDIA® 2203F fulfils the food contact regulations in most countries. For further information or certificates, contact our Customer Service Offices.

APPLICATIONS

- General packaging film.
- Heavy duty bags.
- Shrink film with high mechanical resistance.
- Construction and agricultural films

Recommended melt temperature range from 170 to 220°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	0.3
Density at 23°C	ISO 1183	kg/m ³	922
Vicat softening temperature (load 10 N)	ISO 306	°C	96
Film (1)			
Dart drop (F ₅₀)	ISO 7765-1	g	450
Tear resistance (Elmendorf) (MD/TD)	ISO 6383-2	cN	500/600
Tensile stress at break (MD/TD)	ISO 527-3	MPa	25/23
Elongation at break (MD/TD)	ISO 527-3	%	400/600
Coefficient of friction (Dynam ic)	ISO 8295	-	0.6

(1) 125 µm thickness film, blow up ratio 2.5:1

STORAGE

ALCUDIA® 2203F 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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