

ALCUDIA® LDPE 2625FG

Low Density Polyethylene
REPSOL

Message:

ALCUDIA® 2625FG is a low density polyethylene grade, produced by high pressure autoclave technology, for thin blown film or cast film applications. This material offers easy processability and good balance of mechanical and optical properties. It contains slip (erucamide), antioxidant and antiblock additives.

ALCUDIA® 2625FG fulfils the food contact regulations in most countries. For further information or certificates, contact our Customer Service Offices.

APPLICATIONS

- Pouches with good optical properties

Automatic packaging

Lamination

Recommended melt temperature range from 140 to 165°C. Processing conditions should be optimised for each production line

General Information			
Additive	Erucamide Lubricating Additive		
	Anti-caking agent		
	Antioxidation		
Features	smoothness		
	Optical		
	Anti-caking property		
	Antioxidation		
	Workability, good		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	Laminate		
	cast film		
Processing Method	Blow film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.926	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic, Blown Film)	< 0.10		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	

Tensile Stress			ISO 527-3
MD: Broken, 30 µm, blown film	25.0	MPa	ISO 527-3
TD: Broken, 30 µm, blown film	18.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 30 µm, blown film	150	%	ISO 527-3
TD: Broken, 30 µm, blown film	550	%	ISO 527-3
Dart Drop Impact (30 µm, Blown Film)	75	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD: 30 µm, blown film	1.8	N	ISO 6383-2
TD: 30 µm, blown film	1.2	N	ISO 6383-2
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 µm, Blown Film)	50		ASTM D2457
Haze (30.0 µm, Blown Film)	10	%	ASTM D1003
Additional Information			
Data taken from 30 µm thickness film, blow up ratio 2.5:1.			
Extrusion	Nominal Value	Unit	
Melt Temperature	140 - 165	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

