## ALCUDIA® LDPE 2805F

## Low Density Polyethylene

REPSOL

## Message:

ALCUDIA® 2805F is a low density polyethylene grade, produced by high pressure autoclave technology, suitable for blown film applications. This material offers easy processability and an excellent balance of mechanical and optical properties. It contains antioxidant. TYPICAL APPLICATIONS

Shrink films / hoods

Coextruded films with good optical properties and excellent mechanical properties

Recommended melt temperature range from 170 to 210°C. Processing conditions should be optimised for each production line.

General Information					
Additive	Antioxidation				
Features	Optical				
	Antioxidation				
	Workability, good				
	Compliance of Food Exposure				
Uses	Films				
	Shrinkable film				
Agency Ratings	European food contact, not rated				
Processing Method	Blow film				
	Co-extrusion molding				
Physical	Nominal Value	Unit	Test Method		
Density (23°C)	0.928	g/cm³	ISO 1183		
Melt Mass-Flow Rate (MFR) (190°C/2.16					
kg)	0.55	g/10 min	ISO 1133		
Mechanical	Nominal Value	Unit	Test Method		
Coefficient of Friction (vs. Itself - Dynamic, Blown Film)	0.40		ISO 8295		
Films	Nominal Value	Unit	Test Method		
Film Thickness - Tested	40	μm			
Tensile Stress			ISO 527-3		
MD: Broken, 40 µm, blown film	25.0	МРа	ISO 527-3		
TD: Broken, 40 µm, blown film	20.0	MPa	ISO 527-3		
Tensile Elongation			ISO 527-3		
MD: Broken, 40 µm, blown film	300	%	ISO 527-3		
TD: Broken, 40 µm, blown film	600	%	ISO 527-3		
Dart Drop Impact (40 µm, Blown Film)	90	g	ISO 7765-1		
Elmendorf Tear Strength			ISO 6383-2		

MD: 40 µm, blown film2.0NISO 6383-2TD: 40 µm, blown film2.2NISO 6383-2ThermalNominal ValueUnitTest MethodVicat Softening Temperature104°CISO 306/AOpticalNominal ValueUnitTest MethodGloss (45°, 40.0 µm, Blown Film)60ASTM D2457Haze (40.0 µm, Blown Film)8.0%ASTM D1003Additional InformationData taken from 40 µm thickness film, blow up ratio 2.5:1.UnitExtrusionNominal ValueUnitMelt Temperature170 - 210°C						
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	Data taken from 40 µm thickness film, blow up ratio 2.5:1.					
Melt Temperature 170 - 210 °C	Extrusion	Nominal Value	Unit			
	Melt Temperature	170 - 210	°C			

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Recommended distributors for this material

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