

Alcudia® Low density polyethylene

Chemicals

Technical data sheet



ALCUDIA® 2303-FL (COMPOUND FOR AGRICULTURE)

DESCRIPTION

ALCUDIA® 2303-FL is stabilized with Ni quencher (yellow greenish colour), UV absorber and antioxidants. This compound offers high solar radiation resistance.

APPLICATIONS

Films for greenhouses and tunnels cover.

ALCUDIA® 2303-FL, 180 µm thickness films, have a lifetime of two continuous agricultural seasons (two winters and one summer) in geographical areas where the maximum solar radiation is 160 kLy.

For further information, contact to Technical Assistance and Development Department or Commercial Attention Service.

Recommended melt temperature range from 190 to 210°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C/2.16kg)	0.3	g/10 min	ISO 1133
Density at 23°C	923	kg/m ³	ISO 1183
Film ⁽¹⁾			
Global Transmission of Visible Light	90	%	EN 13206
Haze	22	%	ASTM D 1003
Dart Drop Test	750	g	ISO 7765-1
Tear Resistance (MD/TD)	6/9	N	ISO 6383-2
Tensile Strength at Break (MD/TD)	19/19	MPa	ISO 527-3
Elongation at break (MD/TD)	500/600	%	ISO 527-3

(1) 180 µm thickness film, blown up ratio 2.25:1.

STORAGE

ALCUDIA® 2303-FL should be stored in a dry atmosphere, paved, drained and not flooded area at temperatures under 50°C and protected from UV radiation. Improper storage may favour degradation, this having negative influence on processing and on the properties of the final product.

November 2013

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.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com