ALCUDIA® EVA PA-539

Ethylene Vinyl Acetate Copolymer

REPSOL

Message:

EVA copolymer ALCUDIA® PA-539 is suitable for film extrusion and extrusion coating. This material combines easy processability with excellent mechanical and optical properties. It contains antioxidant additives.
TYPICAL APPLICATIONS
Film extrusion
Extrusion coating
Recommended melt temperature below 200°C to avoid the decomposition of the polymer. Processing conditions should be optimised for each production line.

General Information	
Additive	Antioxidation
Features	Optical Antioxidation Workability, good Compliance of Food Exposure
Uses	Films
Agency Ratings	European food contact, not rated
Processing Method	Film extrusion Extrusion coating

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.937	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F50)	> 300	hr	ASTM D1693
Vinyl Acetate Content	18.0	wt%	
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Stress			ISO 527-3
MD: Broken, 50 µm, blown film	26.0	MPa	ISO 527-3
TD: Broken, 50 µm, blown film	22.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	320	%	ISO 527-3
TD: Broken, 50 µm, blown film	640	%	ISO 527-3
Dart Drop Impact (50 µm, Blown Film)	600	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD: 50 µm, blown film	2.0	N	ISO 6383-2
TD: 50 µm, blown film	2.8	N	ISO 6383-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	64.0	°C	ISO 306/A
Melting Temperature	87.0	°C	
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze (50.0 µm, Blown Film)	4.0	%	ASTM D1003
Additional Information			
Data taken from 50 µm thickness film, blow up ratio 2.25:1, frost line height 40 cm.			
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	200	°C	

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