

ALCUDIA® EBA PA-1715

Ethylene Butyl Acrylate Copolymer

REPSOL

Message:

EBA ALCUDIA® PA-1715 is a copolymer suitable for general extrusion and injection moulding applications where good processability, flexibility and very good mechanical properties are required. The butyl acrylate content is 17%. It contains antioxidant additives.

TYPICAL APPLICATIONS

Extrusion (profiles, sheets)

Injection moulding

Microcellular foams

Recommended melt temperature 180°C. Processing characteristics of PA-1715 are similar to LDPE and conventional polyethylene extruders are recommended. Processing conditions should be optimised for each production line.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Flexibility		
	Good Processability		
Uses	Foam		
	Profiles		
	Sheet		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.926	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ISO 1133
n-Butyl Acrylate Content	17.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	90		
Shore D	31		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	17.0	MPa	ISO 527-2
Tensile Strain (Break)	830	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	68.0	°C	ISO 306/A
Melting Temperature	95.0	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180	°C	

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