

ALCUDIA® EBA PA-1770

Ethylene Butyl Acrylate Copolymer
REPSOL

Message:

EBA ALCUDIA® PA-1770 is a copolymer suitable for general extrusion, injection moulding and compounds 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
- Compounds and masterbatches
- Cables

Recommended melt temperature 180°C. EBA copolymers exhibit excellent thermal stability, which allows higher processing temperatures if needed. Processing characteristics of PA-1770 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	Compounding		
	Foam		
	Masterbatch		
	Profiles		
	Sheet		
	Wire & Cable Applications		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.924	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	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	33		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	12.0	MPa	ISO 527-2
Tensile Strain (Break)	800	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	61.0	°C	ISO 306/A
Melting Temperature	93.0	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180	°C	

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