



EBANTIX® E1715

REPSOL - Ethylene Butyl Acrylate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EBA REPSOL EBANTIX® E1715 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.

Applications:

- Extrusion (profiles, sheets).
- Injection moulding.
- Microcellular foams.

Recommended melt temperature 180°C. Processing characteristics of E1715 are similar to LDPE and conventional polyethylene extruders are recommended. Processing conditions should be optimised for each production line.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antioxidant		
Features	• Antioxidant • Copolymer	• Food Contact Acceptable • Good Flexibility	• Good Processability
Uses	• Foam	• Profiles	• Sheet
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	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%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	2470	psi	ISO 527-2
Tensile Strain			ISO 527-2
Break ²	830	%	
Break ³	830	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	90		
Shore D	31		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	154	°F	ISO 306/A
Melting Temperature	203	°F	Internal Method

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	356	°F

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Extrusion	Nominal Value	Unit
Melt Temperature	356	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² MD

³ TD