EBANTIX® E20020

REPSOL - Ethylene Butyl Acrylate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EBA REPSOL EBANTIX ® E20020 offers excellent flexibility and is suitable for injection moulding. The butyl acrylate content is 20%. It contains antioxidant and free flowing agent.

Applications:

- Injection moulding.
- Blends: microcrystalline and paraffin waxes.
- Modification of asphalts.

Recommended melt temperature 180°C. EBA copolymers exhibit excellent thermal stability, which allows higher processing temperatures if needed. Processing characteristics of E20020 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	• Free Flowing Agent	
Features	• Antioxidant	• Copolymer	• Food Contact Acceptable
Uses	• Blending		
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.925	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
n-Butyl Acrylate Content	20.0	wt%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	1160	psi	ISO 527-2
Tensile Strain			ISO 527-2
Break [2]	720	%	
Break [3]	720	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore A	87		
Shore D	30		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	126	°F	ISO 306/A
Melting Temperature	192	°F	Internal Method

Processing Information

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

EBANTIX® E20020
REPSOL - Ethylene Butyl Acrylate Copolymer

Notes

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

[2] MD

[3] TD