PRIMEVA® P18150

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA resin REPSOL PRIMEVA ® P18150 is recommended for low viscosity hot melt adhesives especially when toughness and flexibility are required. EVA resin REPSOL PRIMEVA ® P18150 has been improved for a better stability against thermal degradation. It contains antioxidant and free flowing agent.

Applications:

- Hot Melt Adhesives and Blends
  - Packaging
  - Carpet backing
  - Bookbinding
- Rotational moulding

Recommended melt temperature below 200°C to avoid the decomposition of the polymer. 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	• Good Flexibility • Good Thermal Stability • Good Toughness	• Low Viscosity
Uses	• Blending	• Carpet Backing	• Packaging
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Rotational Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.937	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	150	g/10 min	ISO 1133
Vinyl Acetate Content	18.0	wt%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	1130	psi	ISO 527-2
Tensile Strain (Break)	650	%	ISO 527-2
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore A	83		
Shore D	30		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	127	°F	ISO 306/A
Melting Temperature	178	°F	Internal Method
Ring and Ball Softening Point	212	°F	ASTM E28
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Brookfield Viscosity [2] (392°F)	45.6	Pa·s	Internal Method

PRIMEVA® P18150
REPSOL - Ethylene Vinyl Acetate Copolymer

Notes

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

[2] Spindle SC4-27