



PRIMEVA® P18500

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA resin REPSOL PRIMEVA® P18500 is recommended for low viscosity hot melt adhesives applications and blends with paraffins and microcrystalline waxes. EVA resin REPSOL PRIMEVA® P18500 has been improved for a better stability against thermal degradation. It contains antioxidant and free flowing agent.

Applications:

- Hot Melt Adhesives
 - Packaging
 - Bookbinding
- Blends with waxes
- Coatings of paper and board

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 Thermal Stability	• Low Viscosity
Uses	• Adhesives • Blending	• Packaging • Paper Coatings	
Agency Ratings	• EU Food Contact, Unspecified Rating		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.937	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	500	g/10 min	ISO 1133
Vinyl Acetate Content	18.0	wt%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	725	psi	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	83		
Shore D	32		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°F	ISO 306/A
Melting Temperature	183	°F	Internal Method
Ring and Ball Softening Point	192	°F	ASTM E28
Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity ²			Internal Method
356°F	23.8	Pa·s	
392°F	15.0	Pa·s	

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Notes

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

² Spindle SC4-27
