

Technical data sheet

Chemicals



EVA REPSOL PRIMEVA® P18500

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.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (190°C, 2.16kg) ¹	500	g/10 min	ISO 1133
Vinyl acetate content	18	%	Internal
Density at 23 °C	937	kg/m ³	ISO 1183
Melting point	84	°C	Internal
Ring-ball softening point	89	°C	ASTM E-28
Vicat softening temperature (load 10N)	53	°C	ISO 306
Viscosity Brookfield 180°C (Spindle SC4-27)	23800	cP	Internal
Viscosity Brookfield 200°C (Spindle SC4-27)	15000	cP	Internal
¹ Value reported is an estimate based on Repsol's correlation from melt flow rate data measured at other standard conditions, based on ISO 1133.			
Mechanical			
Tensile strength at break	5	MPa	ISO 527-2
Elongation at break	600	%	ISO 527-2
Shore A hardness	83	-	ISO 868
Shore D hardness	32	-	ISO 868

EVA REPSOL PRIMEVA® P18500 complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

Storage

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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EVA REPSOL PRIMEVA® P18500 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 40°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and the properties of the transformed product.

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