



## EVA REPSOL PRIMEVA® P28045

EVA resin REPSOL PRIMEVA® P28045 is recommended for medium viscosity hot melt adhesives applications. EVA resin REPSOL PRIMEVA® P28045 has been improved for a better stability against thermal degradation. It contains antioxidant and free flowing agent.

### Applications

- Hot Melt Adhesives.
  - Packaging.
- Blends with waxes.

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 |
|--|--------|-------------------|-------------|
| <b>General</b>                               |        |                   |             |
| Melt flow rate (190°C, 2.16kg) <sup>1</sup>  | 43     | g/10 min          | ISO 1133    |
| Vinyl acetate content                        | 28     | %                 | Internal    |
| Density at 23 °C                             | 950    | kg/m <sup>3</sup> | ISO 1183    |
| Ring-ball softening point                    | 111    | °C                | ASTM E-28   |
| Melting point                                | 69     | °C                | Internal    |
| Brookfield Viscosity (180°C, Spindle SC4-27) | 257900 | cP                | Internal    |
| Brookfield Viscosity (200°C, Spindle SC4-27) | 148900 | cP                | Internal    |

<sup>1</sup>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 | 8   | MPa | ISO 527-2 |
| Elongation at break       | 750 | %   | ISO 527-2 |
| Shore A hardness          | 76  | -   | ISO 868   |

EVA REPSOL PRIMEVA® P28045 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

EVA REPSOL PRIMEVA® P28045 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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