



## PRIMEVA® P33400

### REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

#### General Information

##### Product Description

EVA resin REPSOL PRIMEVA® P33400 is recommended for low viscosity hot melt adhesives applications, when low viscosity and high vinyl acetate content are required. EVA resin REPSOL PRIMEVA® P33400 has been improved for a better stability against thermal degradation. It contains antioxidant and free flowing agent.

##### Applications:

- Hot Melt Adhesives
  - Packaging
  - Bookbinding
  - Furniture.
  - Pressure sensitive adhesive coatings

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<br>• Asia Pacific | • Europe<br>• Latin America                           | • North America |
| Additive        | • Antioxidant                            | • Free Flowing Agent                                  |                 |
| Features        | • Antioxidant<br>• Copolymer             | • Food Contact Acceptable<br>• Good Thermal Stability | • Low Viscosity |
| Uses            | • Adhesives                              | • Furniture                                           | • Packaging     |
| Agency Ratings  | • EU Food Contact, Unspecified Rating    |                                                       |                 |

#### ASTM & ISO Properties <sup>1</sup>

| Physical                                  | Nominal Value | Unit              | Test Method     |
|-------------------------------------------|---------------|-------------------|-----------------|
| Density (73°F)                            | 0.957         | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 400           | g/10 min          | ISO 1133        |
| Vinyl Acetate Content                     | 33.0          | wt%               | Internal Method |
| Mechanical                                | Nominal Value | Unit              | Test Method     |
| Tensile Stress (Break)                    | 290           | psi               | ISO 527-2       |
| Tensile Strain (Break)                    | 900           | %                 | ISO 527-2       |
| Hardness                                  | Nominal Value | Unit              | Test Method     |
| Shore Hardness (Shore A)                  | 55            |                   | ISO 868         |
| Thermal                                   | Nominal Value | Unit              | Test Method     |
| Melting Temperature                       | 142           | °F                | Internal Method |
| Ring and Ball Softening Point             | 172           | °F                | ASTM E28        |

##### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.