



## PRIMEVA® P33025C

### REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

#### General Information

##### Product Description

EVA resin REPSOL PRIMEVA® P33025C is recommended for hot melt adhesives applications, when toughness and flexibility are required. EVA resin REPSOL PRIMEVA® P33025C presents low gel content. It contains antioxidant and free flowing agent.

##### Applications:

- Hot Melt Adhesives
  - Packaging
  - Bookbinding
  - Pressure sensitive adhesive coatings
- Can be used to produce semiconductive cables compounds.

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<br>• Food Contact Acceptable | • Good Flexibility<br>• Good Toughness<br>• Low Gel | • Semi Conductive |
| Uses            | • Adhesives                                               | • Compounding                                       | • Packaging       |
| Agency Ratings  | • EU Food Contact, Unspecified Rating                     |                                                     |                   |

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

| Physical                                  | Nominal Value | Unit              | Test Method     |
|-------------------------------------------|---------------|-------------------|-----------------|
| Density (73°F)                            | 0.956         | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 25            | g/10 min          | ISO 1133        |
| Vinyl Acetate Content                     | 33.0          | wt%               | Internal Method |
| Mechanical                                | Nominal Value | Unit              | Test Method     |
| Tensile Stress (Break)                    | 870           | psi               | ISO 527-2       |
| Tensile Strain (Break)                    | 830           | %                 | ISO 527-2       |
| Hardness                                  | Nominal Value | Unit              | Test Method     |
| Shore Hardness (Shore A)                  | 74            |                   | ISO 868         |
| Thermal                                   | Nominal Value | Unit              | Test Method     |
| Melting Temperature                       | 142           | °F                | Internal Method |
| Ring and Ball Softening Point             | 244           | °F                | ASTM E28        |
| Fill Analysis                             | Nominal Value | Unit              | Test Method     |
| Brookfield Viscosity <sup>2</sup>         |               |                   | Internal Method |
| 356°F                                     | 637           | Pa·s              |                 |
| 392°F                                     | 368           | Pa·s              |                 |

##### Notes

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

<sup>2</sup> Spindle SC4-27