



## PRIMEVA® P28025

### REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

#### General Information

##### Product Description

EVA resin REPSOL PRIMEVA ® P28025 is recommended for hot melt adhesives and blends with waxes. It contains antioxidant and free flowing agent.

##### Applications:

- Hot Melt Adhesives
  - Packaging
  - Bookbinding
  - Carpet backing
- Blends with bitumen and asphalts

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                            | • Copolymer                     | • Food Contact Acceptable |
| Uses            | • Adhesives<br>• Blending                | • Carpet Backing<br>• Packaging |                           |
| Agency Ratings  | • EU Food Contact, Unspecified Rating    |                                 |                           |

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

| Physical                                  | Nominal Value | Unit              | Test Method     |
|-------------------------------------------|---------------|-------------------|-----------------|
| Density (73°F)                            | 0.950         | 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                     | 28.0          | wt%               | Internal Method |
| Viscosity                                 |               |                   | Internal Method |
| 302°F <sup>2</sup>                        | 2.90          | Pa·s              |                 |
| 347°F <sup>3</sup>                        | 1.60          | Pa·s              |                 |
| Mechanical                                | Nominal Value | Unit              | Test Method     |
| Tensile Stress (Break)                    | 1740          | psi               | ISO 527-2       |
| Tensile Strain (Break)                    | 790           | %                 | ISO 527-2       |
| Hardness                                  | Nominal Value | Unit              | Test Method     |
| Shore Hardness                            |               |                   | ISO 868         |
| Shore A                                   | 78            |                   |                 |
| Shore D                                   | 26            |                   |                 |
| Thermal                                   | Nominal Value | Unit              | Test Method     |
| Melting Temperature                       | 158           | °F                | Internal Method |
| Ring and Ball Softening Point             | 248           | °F                | ASTM E28        |

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### Notes

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

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<sup>2</sup> Blend 40:60 PA-441/wax at 150°C

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<sup>3</sup> Blend 40:60 PA-441/wax at 175°C