



## PRIMEVA® P1340

### REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

#### General Information

##### Product Description

EVA copolymer REPSOL PRIMEVA® P1340 is suitable for injection moulding and extrusion. This material is specially recommended for those applications where flexibility, toughness and transparency are required. It contains antioxidant additives.

##### Applications:

- Extrusion.
- Injection moulding. Release agents containing silicone must be avoided.
- Microcellular foams.

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                            |                                             |                                        |
| Features          | • Antioxidant<br>• Copolymer             | • Food Contact Acceptable<br>• Good Clarity | • Good Flexibility<br>• Good Toughness |
| Uses              | • Foam                                   |                                             |                                        |
| Agency Ratings    | • EU Food Contact, Unspecified Rating    |                                             |                                        |
| Processing Method | • Extrusion                              | • Foam Extrusion                            | • Injection Molding                    |

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

| Physical                                              | Nominal Value | Unit              | Test Method     |
|-------------------------------------------------------|---------------|-------------------|-----------------|
| Density (73°F)                                        | 0.931         | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)             | 4.0           | g/10 min          | ISO 1133        |
| Environmental Stress-Cracking Resistance (ESCR) (F50) | > 100         | hr                | ASTM D1693      |
| Vinyl Acetate Content                                 | 12.5          | wt%               | Internal Method |
| Mechanical                                            | Nominal Value | Unit              | Test Method     |
| Tensile Stress (Break)                                | 2030          | psi               | ISO 527-2       |
| Tensile Strain (Break)                                | 650           | %                 | ISO 527-2       |
| Hardness                                              | Nominal Value | Unit              | Test Method     |
| Shore Hardness (Shore D)                              | 41            |                   | ISO 868         |
| Thermal                                               | Nominal Value | Unit              | Test Method     |
| Vicat Softening Temperature                           | 162           | °F                | ISO 306/A       |
| Melting Temperature                                   | 207           | °F                | Internal Method |

#### Processing Information

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 392           | °F   |
| Extrusion              | Nominal Value | Unit |
| Melt Temperature       | 392           | °F   |

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### Notes

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