

## Technical Data Sheet : AdvyForm P0900

### Polypropylene, Homopolymer

#### Product Description

The polymer grade is a polypropylene homopolymer for use in injection and compression molding applications. Exhibits a good stiffness/impact balance at ambient temperature. It provides good hinge performances on caps, as well as good environmental stress cracking resistance. Used in caps, closures, sprayers, housewares and furniture.

Information regarding regulatory status, including supported, prohibited, or restricted applications, is provided in the **Product Regulatory Summary** and the **Safety Data Sheet (SDS)**.

#### General

|                      |                                       |
|----------------------|---------------------------------------|
| Applications         | Caps & Closures; Housewares           |
| Market               | Consumer Products; Rigid Packaging    |
| Processing Method    | Injection Molding; Thermoforming      |
| Attribute            | Homopolymer; Medium Impact Resistance |
| Internal ref. number | 1Q027, BEN8624                        |
| Revision             | Version 2 ; September 3, 2026         |

#### Properties.

| Typical Properties                                                   | Nominal Value* | Units             | Test Method   |
|----------------------------------------------------------------------|----------------|-------------------|---------------|
| <b>Physical</b>                                                      |                |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                                     | 6              | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                                     | 0.9            | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                                    |                |                   |               |
| Tensile Modulus                                                      | 1500           | MPa               | ISO 527-1, -2 |
| Tensile Stress at Yield                                              | 34             | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break                                              | >50            | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield                                              | 9              | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                                        |                |                   |               |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 4.5            | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                                       |                |                   |               |
| Vicat Softening Temperature, (A50)                                   | 154            | °C                | ISO 306       |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed)                | 90             | °C                | ISO 75B-1, -2 |

\*)These are typical property values not to be construed as specification limits.

#### Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.



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## **Company Information**

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