

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 1.2 ; June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm ³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	74	MPa	ISO 2039-1
Thermal			
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.

Company Information

For further information regarding the Velogy, please visit <http://www.velogy.com>
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