

Technical Data Sheet : AdvyForm P1140

Polypropylene, Homopolymer

Product Description

The polymer grade is a polypropylene homopolymer with medium melt flow rate, used in injection molding applications. Exhibits good stiffness and flowability. It is nucleated, for improved productivity and lower cycle times. Its antistatic additivition ease demolding and prevents dust deposits. Typical applications are caps, closures, containers and housewares.

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
Attribute	Contains Antistatic; Medium Flow; Medium Stiffness; Nucleated
Internal ref. number	1Q097, BEN8654
Revision	Version 2 ; September 4, 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1800	MPa	ISO 527-1, -2
Tensile Stress at Yield	36	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			
(23 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	71	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	105	°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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