

Technical Data Sheet : AdvyForm E0980

Polypropylene, Impact Copolymer

Product Description

The grade is a heterophasic copolymer with medium flow used in injection molding. This grade is characterized by a medium stiffness-impact balance at low temperature as well as a low warpage tendency. The additive formulation provides a good heat aging resistance. Typically used by customers requiring a high resistance to temperature degradation, in particular for battery cases and automotive components.

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

General

Application	Battery Cases
Market	Automotive; Consumer Products; Industrial, Building & Construction
Processing Method	Injection Molding
Attribute	Good Heat Aging Resistance; Good Impact Resistance; Good Stiffness; Heat Stabilized; Impact Copolymer; Low Warpage
Internal ref. number	1Q074, BEN8471
Revision	Version 1.2 ; June 12, 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Break	17	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Break	70	%	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	9	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	148	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	84	°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.

In cases where higher temperatures are required, please contact your appropriate technical contact for support.

Company Information

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