

Technical Data Sheet : AdvyForm E1740

Polypropylene, Impact Copolymer

Product Description

The polymer grade is a nucleated, antistatic formulated, very high flow impact copolymer suitable for thin-walled injection molding applications. Combines an excellent processability with a very good impact strength at low temperature. Typically used for margarine tubs, packaging for dairy products, ice cream containers, lids, caps, housewares, toy boxes, flower pots and laundry baskets.

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	Caps & Closures; Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Processability; High Impact Resistance; Medium Stiffness; Nucleated
Internal ref. number	1Q077, BEN8482
Revision	Version 2 : June 15, 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	70	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Yield	24	MPa	ISO 527-1, -2
Tensile Strain at Break	50	%	ISO 527-1, -2
Tensile Strain at Yield	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5.5	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3.2	kJ/m ²	ISO 179
Ductile/Brittle Transition Temperature	-45	°C	ISO 6603-2
Hardness			
Ball Indentation Hardness, (H 358/30)	50	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(A/50)	150	°C	ISO 306
(B50)	65	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	92	°C	ISO 75B-1, -2

Optical

Gloss, (60°)	65	%	ASTM D2457
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*)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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