

Technical Data Sheet : AdvyForm R1740

Polypropylene, Random Copolymer

Product Description

The polymer grade is a clarified random copolymer for injection moulding with antistatic additivation and exhibits high fluidity in combination with a good transparency and gloss performance.

Typically used housewares and in food packaging. Its high fluidity allows short processing cycle times, and moulding of very thin wall items with a complex geometry.

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	Clear Containers; Housewares; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistatic; High Flow; High Transparency; Nucleated; Random Copolymer
Internal ref. number	1Q231, BEN16289
Revision	Version 2 ; September 4, 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	75	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	28	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	1.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	11	%	ASTM D1003

*)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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