

Technical Data Sheet : AdvyForm R1000

Polypropylene, Random Copolymer

Product Description

The polymer grade is a clarified random copolymer for extrusion applications. The grade exhibits high transparency and medium stiffness. Typically used in co-extrusion blow molding, sheet extrusion and thermoforming applications.

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	Bottles For Consumer Goods; Bottles for Industrial Use
Market	Industrial Packaging; Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet; Thermoforming
Attribute	High Transparency; Medium Stiffness; Nucleated; Random Copolymer
Internal ref. number	1Q041, BEN8762
Revision	Version 2 ; September 4, 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.5	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	850	MPa	ISO 527-1, -2
Tensile Stress at Break	28	MPa	ISO 527-1, -2
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength			
(23 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A/50)	135	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°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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