

Technical Data Sheet : AdvyForm R1002

Polypropylene, Random Copolymer

Product Description

The polymer grade is a slightly modified polypropylene random copolymer. It does not contain slip or anti-blocking additives. Typically used by customers for manufacturing of cast films. Very good processability and the films exhibits good clarity, high gloss and high heat weldability.

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	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Good Processability; High Clarity; High Gloss; Medium Rigidity; Random Copolymer
Internal ref. number	1Q356, BEN8757
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	1100	MPa	ISO 178
Tensile Stress at Break	27	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	12	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	6	kJ/m ²	ISO 179-1/1eA
(0 °C)	2	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A/50)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	75	°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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