

Technical Data Sheet : AdvyForm R1051

Polypropylene, Random Copolymer

Product Description

The polymer grade is a controlled rheology medium modified polypropylene random copolymer. Contains slip and anti-blocking additives and is typically used by customers for manufacturing of cast films. Exhibit very good processability and films produced provide high clarity high gloss, high softness and good 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; Lamination Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Controlled Rheology; Good Heat Seal; High Clarity; Random Copolymer
Internal ref. number	1Q042, BEN8763
Revision	Version 1.1 : June 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 178
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 - Notched			
(23 °C)	7	kJ/m ²	ISO 179-1/1eA
(0 °C)	2	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A/50)	135	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°C	ISO 75B-1, -2
Additives			
Slip, Erucamide	2000	ppm	Velogy method
Antiblock	1500	ppm	Velogy method

*)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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