

Technical Data Sheet : AdvyForm R1001

Polypropylene, Random Copolymer

Product Description

The products is a controlled rheology medium modified propylene random copolymer for manufacturing high transparent cast films, contains no slip or anti-blocking agents and offers very good processability, excellent clarity and gloss and exhibits very 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

Application	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Controlled Rheology; Good Processability; High Clarity; High Gloss; Random Copolymer; Weldable
Internal ref. number	1Q044, BEN8738
Revision	Version 1.1 : June 2026

Properties.

		Nominal	
		Value	Units
Physical			
Melt Flow Rate, (230 °C/2.16 kg)		8	g/10 min ISO 1133-1
Density		0.9	g/cm ³ ISO 1183-1
Mechanical			
Flexural Modulus		700	N/mm ² ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)		26	N/mm ² ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)		23	N/mm ² ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)		600	% ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)		14	% ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)		10	kJ/m ² ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)		3	kJ/m ² ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)		125	°C ISO 306
Deflection Temperature Under Load, (0.46 N/mm ²)		60	°C ISO 75B-1, -2

*) These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.



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