

Technical Data Sheet : AdvyForm R1050

Polypropylene, Random Copolymer

Product Description

The polymer grade is a controlled rheology medium modified propylene random copolymer for manufacturing of high transparent cast films. The product contains slip and anti-block agents.

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

Applications	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	1Q045, BEN8740
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
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
Additive			
Slip, Erucamide	2000	ppm	Internal Method
Antiblock	1500	ppm	Internal 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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