

Technical Data Sheet : AdvyForm R1052

Polypropylene, Random Copolymer

Product Description

The grade is a slightly modified polypropylene random copolymer. It contains slip and anti-blocking additives. Typically used for the manufacturing of cast films and exhibit very good processability. Films produced exhibit 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

Application	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	High Clarity; High Gloss; Medium Rigidity; Opticals; Random Copolymer; Weldable
Internal ref. number	1Q085, BEN8758
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	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	30	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	27	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)	12	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6	kJ/m ²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm ²)	75	°C	ISO 75B-1, -2
Additive			
Slip, Erucamide	2000	ppm	Velogy Method
Antiblock	1600	ppm	Velogy Method

*)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.

Company Information

For further information regarding the Velogy, please visit <http://www.velogy.com>

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