

Technical Data Sheet : KeyForm P1050

Polypropylene, Homopolymer

Product Description

The polymer grade is a polypropylene homopolymer containing slip and anti-blocking additives.

Typically used by customers for cast films and in many different applications, such as packaging and lamination films for foodstuffs (pasta, snacks, biscuits, bakery products and confectionery), or film for packaging of flowers and books stationery.

Films have been reported by customers to exhibit very high transparency and high gloss.

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 Stiffness; High Clarity; High Gloss; Homopolymer
Internal ref. number	1Q068, BEN8631
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Stress at Break	19	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A/50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2
Additive			
Slip, Erucamide	1800	ppm	Internal Method
Antiblock	1800	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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