

Technical Data Sheet : KeyForm P0510

Polypropylene, Homopolymer

Product Description

The polymer grade is a polypropylene homopolymer used for extrusion and thermoforming applications. Formulated with a low water-carry-over additive package. Typical applications are strapping, sheets, monofilaments and tapes.

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	Raffia/Tapes/Strapping; Strapping
Market	Textile
Processing Method	Tapes & Raffia
Attribute	Homopolymer
Internal ref. number	1Q031, BEN8595
Revision	Version1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.8	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1400	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	23	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	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)	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2

*)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.



Rotterdam Olefins & Polyolefins B.V.
Aert van Nesstraat 45, 3012 CA
Rotterdam, The Netherlands

Company Information

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

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