

Technical Data Sheet : KeyForm P0710

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 monofilaments, ropes 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	General Sheet Extrusion; Intermediate Bulk Containers; Raffia/Tapes/Strapping
Market	Compounding; Flexible Packaging; Industrial Packaging; Rigid Packaging; Textile
Processing Method	Compounding; Extrusion Flat-die; Tapes & Raffia; Thermoforming
Attribute	Homopolymer
Internal ref. number	1Q032, BEN8597
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.4	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	N/mm ²	ISO 178
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C, 50 mm/min)	21	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)	200	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	156	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	91	°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.



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