

Technical Data Sheet : KeyForm P1300

Polypropylene, Homopolymer

Product Description

The polymer grade is a homopolymer polypropylene used by customers for injection moulding applications. It exhibits a high fluidity combined with a good stiffness. Suitable for food contact.

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	Furniture; Housewares
Market	Consumer Products
Processing Method	Compounding; Injection Molding
Attribute	Medium Flow; Medium Stiffness
Internal ref. number	1Q101, BEN8581
Revision	Version 1.1 ; June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1350	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	3	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	70	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (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.

Company Information

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