Velogy.
Aert van Nesstraat 45,
3012 CA Rotterdam, The Netherlands

Technical Data Sheet : KeyForm P0600

Polypropylene, Homopolymer

Product Description

The polymer grade is a homopolymer for extrusion and compounding applications. Exhibits easy processability and a good stiffness/impact balance at ambient temperature. It is typically used by customers in applications such as: thermoformed tubs, containers, medium draw trays and blister packs, flowerpots and small extrusion blow moulded bottles.

Detailed information on health and safety, regulatory compliance status, and any supported, prohibited, or restricted applications is available in the Product Regulatory Summary (PRS) and the applicable Safety Data Sheet (SDS).

General

Application	Caps & Closures; Housewares; Opaque Containers
Market	Rigid Packaging
Processing Method	Compounding; Extrusion Blow Molding; Sheet and Profile Extrusion; Thermoforming
Attribute	Homopolymer; Low Flow; Medium Stiffness
Internal reference	1Q066, BEN8576
Revision	Version 2 : September 8, 2026

Properties	Typical Value	Unit	Method
Polymer properties			
Density, (23 °C)	0.9	g/cm^3	ISO 1183-1
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	2	g/10 min (dg/min)	ISO 1133-1
Mechanical properties			
Charpy Impact Strength			
at 23 °C, Type 1, Edgewise, Notch A	8	kJ/m^2	ISO 179
Tensile test			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Strain at Break	>50	%	ISO 527-1, -2
Strain at Yield	11	%	ISO 527-1, -2
Stress at Yield	34	MPa	ISO 527-1, -2
Thermal properties			
Heat deflection temperature			
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75-1, -2
Vicat Softening Temperature			
(B/50)	150	°C	ISO 306

Storage and Handling

The polymer grade is supplied in 25 kg bags, octabins, or bulk containers designed to protect the material from contamination. During storage, the resin should be protected from direct sunlight, temperatures above (<50 °C), and high atmospheric humidity. Prolonged exposure to sunlight, elevated temperatures, or high humidity may accelerate material degradation, reduce storage life, and adversely affect the quality of both the resin and its packaging. If the material is stored under conditions involving significant temperature fluctuations and high humidity, moisture may condense inside the packaging. In such cases, it is recommended to dry the resin before use and to ensure that the material remains completely dry to achieve optimal processing performance. Unfavorable storage conditions may also intensify the resin's slight characteristic odor.

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Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application. In cases where higher temperatures are required, please contact your appropriate technical contact for support.

Company Information

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