

Technical Data Sheet : KeyForm P0740

Polypropylene, Homopolymer

Product Description

The polymer grade is a nucleated homopolymer for extrusion and thermoforming applications. Exhibits a good stiffness and transparency. Typical applications are fruit baskets, trays, transparent drinking cups and containers

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	Clear Containers; Thermoformed Food Containers
Market	Rigid Packaging
Processing Method	Sheet and Profile Extrusion; Thermoforming
Attribute	Homopolymer; Medium Stiffness; Medium Transparency; Nucleated
Internal ref. number	1Q177, BEN8584
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.2	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1600	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	37	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	78	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
Optical			
Haze, (1 mm)	30	%	ASTM D1003
Gloss, (60°)	113	%	ASTM D2457

*)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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