

Technical Data Sheet : KeyForm E1841

Polypropylene, Impact Copolymer

Product Description

The polymer grade is a nucleated, high fluidity heterophasic copolymer with antistatic agent used in thin-walled injection moulding applications. Exhibits high stiffness, good dimensional stability and excellent antistatic properties. Typically used by customers in very thin-walled articles as margarine tubs, packaging of dairy products as well as items with a long flow path such as laundry bins and storage systems.

Information regarding regulatory status, including supported, prohibited, or restricted applications, is provided in the **Product Regulatory Summary** and the **Safety Data Sheet (SDS)**.

General

Application	Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Organoleptic Properties; Good Processability; High Flow; High Stiffness; Impact Copolymer; Nucleated
Internal ref. number	1Q076, BEN8545
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	100	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	30	MPa	ISO 527-1, -2
Tensile Strain at Break	10	%	ISO 527-1, -2
Tensile Strain at Yield	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	1.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100	°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.

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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