

Technical Data Sheet : KeyForm E1540

Polypropylene, Impact Copolymer

Product Description

The polymer grade is a nucleated heterophasic copolymer with antistatic agent used injection molding applications. It combines a good impact/stiffness balance with a high fluidity. Typically used by customers in opaque containers, housewares, toys and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.).

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; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistatic; High Flow; Impact Copolymer; Nucleated
Internal reference number	1Q081, BEN8524
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	44	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1550	MPa	ISO 527-1.-2
Tensile Stress at Yield	28	MPa	ISO 527-1.-2
Tensile Strain at Break	30	%	ISO 527-1.-2
Tensile Strain at Yield	5	%	ISO 527-1.-2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m ²	ISO 179
Ductile/Brittle Transition Temperature	-53	°C	ISO 6603-2
Thermal			
Vicat Softening Temperature, (A/50)	151	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	95	°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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