

Technical Data Sheet : KeyForm E1230

Polypropylene, Impact Copolymer

Product Description

The polymer grade is a nucleated heterophasic copolymer, suitable for injection moulding applications. It exhibits a high stiffness combined with a good impact balance. Typically used in luggage, houseware items, containers, caps and closures.

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	Caps & Closures; Housewares; Luggage; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Impact Copolymer; Medium Impact Resistance; Medium Stiffness; Nucleated
Internal ref. number	1Q036, BEN8513
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1300	MPa	ISO 527-1, -2
Tensile Stress at Yield	28	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	6	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m ²	ISO 179
Ductile/Brittle Transition Temperature	-45	°C	ISO 6603-2
Hardness			
Ball Indentation Hardness, (H 358/30)	63	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	151	°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.

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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