

Technical Data Sheet : KeyForm E0530

Polypropylene, Impact Copolymer

Product Description

The grade is an heterophasic copolymer especially developed for extrusion applications. Exhibits high stiffness, very high impact properties at room and sub-zero temperatures, good dimensional stability and excellent creep and deforming resistance. The main applications are thermoforming, corrugated board and extrusion blow moulding.

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	Corrugated Sheet; Crates; Panels & Profiles
Market	Consumer Products; Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet and Profile Extrusion; Thermoforming
Attribute	High Impact Resistance; High Stiffness; Impact Copolymer; Low Temperature Impact Resistance
Internal ref. number	1Q079, BEN8489
Revision	Version 2 ; June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.3	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	>50	%	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	40	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	10	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179
Ductile/Brittle Transition Temperature	-55	°C	ISO 6603-2
Hardness			
Ball Indentation Hardness, (H 358/30)	48	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(A/50)	150	°C	ISO 306
(B50)	66	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2
Optical			

Gloss, (60°, 50 µm)

65 %

DIN 67530

*)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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