Rotterdam Olefins & Polyolefins B.V.
Aert van Nesstraat 45, 3012 CA
Rotterdam, The Netherlands

Technical Data Sheet : KeyForm E0800

Polypropylene, Impact Copolymer

Product Description

The grade is a low fluidity impact copolymer suitable for injection molding applications, exhibits very high impact strength even at low temperature combined with a good stiffness. Typically used by customers in a wide range of applications including houseware items and crates.

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; Containers; Housewares; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding, Thermoforming
Attribute	Low Flow; Medium Impact Resistance; Medium Stiffness
Internal ref. number	1Q073, BEN8449
Revision	Version 1.2, June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4	g/10 min	ISO 1133-1
Density	0.9	g/cm^3	ISO 1183-1
Mechanical			
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	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)	13	kJ/m^2	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	6	kJ/m^2	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m^2	ISO 179
Hardness			
Ball Indentation Hardness	53	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	150	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa,Unannealed)	75	°C	ISO 75B-1, -2

*)These are typical property values not to be construed as specification limits.

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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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