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

Technical Data Sheet : AdvyForm E1231

Polypropylene, Impact Copolymer

Product Description

The grade is a medium fluidity heterophasic copolymer grade for injection molding applications. It exhibits an excellent impact performance, particularly at low temperature, combined with a good processability. Can be used in luggage, closures and it is an ideal building block for technical compounding. It offers a good solution for interior and exterior parts in Automotive compounds.
The grade is available in natural, pellet form.

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	Automotive Parts; Luggage
Market	Compounding; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Block Copolymer; High Impact Resistance
Internal ref. number	1Q083, BEN8413
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value		
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density	0.89	g/cm^3	ISO 1183-1
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Modulus	1000	MPa	ISO 527-1, -2
Tensile Stress at Break	14	MPa	ISO 527-1, -2
Tensile Stress at Yield	19	MPa	ISO 527-1, -2
Tensile Strain at Break	100	%	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)	17	kJ/m^2	ISO 179
(0 °C)	10	kJ/m^2	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	8	kJ/m^2	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	84	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC

*)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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