

Technical Data Sheet : AdvyForm E1800

Polypropylene, Impact Copolymer

Product Description

The polymer grade is an ultra-high fluidity, heterophasic copolymer, suitable for thin walled injection molding applications and as base resin for compounding applications. The product combines a good stiffness with good impact resistance, even at sub-zero temperatures. In addition a good dimensional stability is given. Is used for items with long flow paths as well as for long glass fibre reinforced recipes (GMT/LFT). Contains neither nucleation agents nor antistaticums or slip/antiblock agents.

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	Containers; Housewares; Sports, Leisure & Toys; TWIM Food Containers
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Good Impact Resistance; Good Stiffness; High Flow; Impact Copolymer; Low Temperature Impact Resistance
Internal ref. number	1Q082, BEN8535
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	100	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1250	MPa	ISO 178
Tensile Modulus	1300	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	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)	4	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	152	°C	ISO 306
DSC Melting Point	163	°C	DSC

*)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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