

Technical Data Sheet : AdvyForm E1180

Polypropylene, Impact Copolymer

Product Description

The grade is a high crystallinity copolymer polypropylene for injection molding, designed for interior trim. The grade features an excellent balance of stiffness and impact resistance combined with high fluidity. The grade is UV stabilized for interior applications and 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	Interior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good UV Resistance; High Impact Resistance; High Rigidity
Internal ref. number	1Q121, BEN6349
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Density	0.89	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1100	MPa	ISO 178
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Break	15	MPa	ISO 527-1, -2
Tensile Stress at Yield	19	MPa	ISO 527-1, -2
Tensile Strain at Break	350	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(0 °C)	10	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DCS

*)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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