

Technical Data Sheet : AdvyForm E1080

Polypropylene, Impact Copolymer

Product Description

The grade is non-filled polypropylene copolymer for injection molding with very high impact strength and has good UV resistance designed for outdoor applications.

The grade is natural, in pellet forms.

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	Bumpers, non-painted bumpers
Market	Automotive
Processing Method	Compounding, Injection Molding
Attribute	Good UV Resistance; High Impact Resistance
Internal ref. number	1Q128, BEN7996
Revision	Version 1.1 ; June 2026

Properties.

Typical Properties	Nominal		Test Method
	Value ^{*)}	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.89	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	900	MPa	ISO 178
Tensile Modulus	800	MPa	ISO 527-1, -2
Tensile Stress at Break	15	MPa	ISO 527-1, -2
Tensile Stress at Yield	17	MPa	ISO 527-1, -2
Tensile Strain at Break	500	%	ISO 527-1, -2
Tensile Strain at Yield	6	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	65	kJ/m ²	ISO 179
(-20 °C)	10	kJ/m ²	ISO 179
(-30 °C)	8	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	ISO 11357-3

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the Velogy, please visit <http://www.velogy.com>

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