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

Technical Data Sheet : AdvyForm E1241

High Crystallinity Polypropylene

Product Description

The product is a high crystalline impact copolymer with outstanding mechanical properties. The product features an easy processability, an excellent combination of stiffness and impact strength and good gloss. The product is a single component solution for high stiffness injection molding applications that is typically used by customers as replacement of mineral filled polypropylene based compounds.

UL listed under file E31765.

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, Electrical appliances, Furniture, Housewares, Technical components
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Processability; High Stiffness; Impact Copolymer; Medium Flow; Medium Impact Resistance
Internal ref. number	1Q089, BEN6704
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal Value*)	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ISO 1133-1
Density	0.9	g/cm^3	ISO 1183-1
Mechanical			
Tensile Modulus	1750	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	50	%	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)	6.5	kJ/m^2	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	3	kJ/m^2	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m^2	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2
Optical			
Gloss, (60°)	70	%	ASTM D2457

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

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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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