

Technical Data Sheet : AdvyForm M1640

Polypropylene, Homopolymer

Product Description

The grade is a metallocene-catalyzed polymer for thin wall injection molding is nucleated, contains an antistatic agent and has an excellent stiffness and transparency, outstanding organoleptic properties and a low warpage. The main applications are food packaging requiring low odor and low taste, cups, lids, closures, cosmetics and personal care and other thin wall applications.

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	Cosmetics; Housewares; TWIM Food Containers; TWIM Non-food Containers
Market	Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Stiffness; High Flow; Nucleated
Internal ref. number	1Q250, BEN8372
Revision	Version 1.1 : June 2026

Properties.

Typical Properties	Nominal		Test Method
	Value	Units	
Physical	Melt Flow Rate, (230 °C/2.16 kg)	60 g/10 min	ISO 1133-1
	Density, (23 °C)	0.9 g/cm³	ISO 1183-1
Mechanical	Tensile Modulus	1640 MPa	ISO 527-1, -2
	Tensile Stress at Yield	35 MPa	ISO 527-1, -2
	Tensile Strain at Break	>50 %	ISO 527-1, -2
	Tensile Strain at Yield	7 %	ISO 527-1, -2
Impact	Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	3.4 kJ/m²	ISO 179
Thermal	Vicat Softening Temperature, (A50)	140 °C	ISO 306
	Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100 °C	ISO 75B-1, -2
Optical	Haze, (1 mm)	11 %	ASTM D1003

*) 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.



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

Company Information

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

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