

Technical Data Sheet : AdvyForm H0202

High Density Polyethylene

Product Description

The grade is a high density polyethylene with an excellent combination of stiffness and ESCR and a good impact resistance. It is delivered in pellet form and contains antioxidants. Typical customer applications include larger jerry cans and drums up to 60 l for the packaging of dangerous goods

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	Drums; Industrial Packaging; Jerry Cans
Market	Industrial Packaging
Processing Method	Extrusion Blow Molding
Attribute	Antioxidant; Good Impact Resistance; High ESCR (Environmental Stress Cracking Resistance); High Rigidity
Internal ref. number	1Q130, BEN7766
Revision	Version 1.1 ; June 2026

Properties.

Typical Properties	Nominal Value ^{*)}	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/21.6 kg)	6.5	g/10 min	ISO 1133-1
Density	0.952	g/cm ³	ISO 1183-1
Bulk Density	>0.500	g/cm ³	ISO 60
Intrinsic Viscosity	400	ml/g	ISO 1628-3
Mechanical			
Tensile Modulus	1050	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
FNCT, (6.0 MPa, 6.6% Dehyton PL, 50 °C)	175	hr	ISO 16770
Impact			
Tensile Impact Strength	150	kJ/m ²	ISO 8256
Note: notched, type 1, method A, -30 °C			
Hardness			
Ball Indentation Hardness, (H 132/30)	47	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	80	°C	ISO 306
Processing Parameters			
Melt Temperature	180 - 220	°C	

^{*)} 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>

© Rotterdam Olefins & Polyolefins B.V.

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, Velogy may further prohibit or restrict the sale of its products into certain applications.

For further information, please contact RegulatoryComplianceROP@velogy.com