

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 2 ; September 3, 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			
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>

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