

Technical Data Sheet : AdvyForm H0800

High Density Polyethylene

Product Description

The grade is a state of the art HDPE resin, easy processable on injection molding and compression molding equipment. Exceptional organoleptic properties and a good balance of stiffness, toughness and environmental stress cracking resistance make the grade the choice of customers for the production of closures for sparkling water, CSD and many other types of food and nonfood caps and closures as well as tube shoulders.

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; Collapsible Tubes
Market	Consumer Products; Rigid Packaging
Processing Method	Compression Molding; Injection Molding
Attribute	Good ESCR (Environmental Stress Cracking Resistance); Good Organoleptic Properties; Good Toughness; High Density
Internal ref. number	1Q168, BEN7763
Revision	Version 1.2, June 2026

Properties.

Typical Properties	Nominal		Test Method
	Value ^{*)}	Units	
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	2.1	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	6.3	g/10 min	ISO 1133-1
Density	0.953	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1150	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
FNCT, (6.0 MPa, 6.6% Dehyton PL, 50 °C)	4	hr	ISO 16770
Impact			
Charpy Impact Strength - Notched			
(23 °C)	7	kJ/m²	ISO 179
(-30 °C)	5	kJ/m²	ISO 179
Hardness			
Shore Hardness, (Shore D)	62		ISO 868
Ball Indentation Hardness	51	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	75	°C	ISO 306

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

Processing Techniques

Recommended melt temperatures: 190 °C to 230 °C.

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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