

Technical Data Sheet : CertyForm H1201 (PL GC 7260) High Density Polyethylene

Product Description

The polymer grade is an HDPE material which exhibits good flowability and high rigidity. Exceptional organoleptic properties and a good balance of stiffness, toughness and processability make the grade the choice of customers for the production of closures for still mineral water and many other types of food and non-food 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

Applications	Caps & Closures; Caps & Closures (Healthcare); Collapsible Tubes; Collapsible Tubes (Healthcare); Healthcare Applications; Medical Devices
Market	Consumer Products; Healthcare; Rigid Packaging
Processing Method	Injection Molding
Attribute	Ethylene Oxide Sterilisation; Good Flow; High Rigidity; Low Warpage
Internal reference number	1Q123, BEN8875
Revision	April 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	8	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	23	g/10 min	ISO 1133-1
Density	0.96	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1350	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	64		ISO 868
Ball Indentation Hardness, (H 132/30)	57	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	72	°C	ISO 306

*)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.

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

Company Information

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