

Technical Data Sheet : CertyForm P1141 (PL HP548N) Polypropylene, Homopolymer

Product Description

The polymer grade is a nucleated polypropylene homopolymer for use in injection molding applications. Contains anti-static additives. Exhibits good stiffness and flow properties, and it is typically used in pharma packaging and medical devices components.

All potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical and Business contacts first.

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 (Healthcare); Healthcare Applications; Medical Devices
Market	Healthcare
Processing Method	Injection Molding
Attribute	Autoclavable; Contains Antistat; Ethylene Oxide Sterilisation; Medium Flow; Medium Stiffness; Nucleated
Internal ref. number	1Q208, BEN3379
Revision	April 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1800	MPa	ISO 527-1, -2
Tensile Stress at Yield	36	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	71	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	105	°C	ISO 75B-1, -2

*)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.

Company Information

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

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