

Technical Data Sheet : CertyForm P0701 (PL HP476J) Polypropylene, Homopolymer

Product Description

The polymer grade is a polypropylene homopolymer used for extrusion and thermoforming applications. Typically used in pharmaceutical packaging and blisters.

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	Healthcare Applications; Medical Devices; Pharmaceutical Packaging; Secondary Packaging; Thermoforming Applications
Market	Healthcare
Processing Method	Extrusion; Sheet; Thermoforming
Attribute	Autoclavable; Ethylene Oxide Sterilisation; Homopolymer
Internal ref. number	1Q272, BEN45830
Revision	April 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.4	g/10 min	ISO 1133-1
Density	0.9	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	N/mm ²	ISO 178
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C, 50 mm/min)	21	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	200	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	156	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	91	°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>
© 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