

# MedSelect™

A diverse portfolio of  
medical-grade polypropylene



## Healthcare Applications

At INVISTA, polypropylene is our specialty, and we have a long history as the supplier of choice for customers across the healthcare field.

## Precision-Driven Polymers

When it comes to designing the medical, pharmaceutical and laboratory products the world relies on, we know how critical it is to choose the right material. You need a material that is safe, consistent and readily available. INVISTA has more than 40 years of experience working with OEMs to develop, test and deliver precision-crafted polymers for diagnostic, pharmaceutical and healthcare uses.

We have 800 million pounds of production capacity and can customize formulations to provide exactly what you need. Each new medical grade expands our product line, giving you more options to meet your full range of requirements. Sampling and quality controls throughout our production process help ensure consistency in every order.



### Pharmaceutical Packaging

- 23M2A** – Bottles, ampoules
- 23R2A** – Bottles (IBM)
- 23N10A** – Bottles
- H0500HN** – Caps & Closures
- 11R12A** – Caps & Closures

### Diagnostics/Labware

- P9M7R-056** – Pipette tips, vials, tubes, plates
- 13G27M** – Vials, tubes, caps, PCR plates, racks
- 13R27V** – Vials, tubes, caps, PCR plates, racks
- 13T25A** – Vials, tubes, caps, plates, racks, lids
- 13R9A** – Vials, tubes, caps, racks, lids
- P5M6K-080** – Vials, tubes, caps, plates, racks
- 11M35V** – Pipette tips, vials, tubes, racks
- 12G50M** – Pipette tips, vials, tubes, caps, plates, racks, lids

### Medical Devices

- 13T25A** – Medical device components, pre-filled syringes
- 13R9A** – Medical device components, syringes
- 13G27M** – Medical device components, pre-filled syringes
- 13R27V** – Medical device components
- P5M6K-080** – Medical device components, syringes

### Ophthalmic

- P4C5N-046** – Contact lens blister packs, casting cups
- 23R2A** – Eye drop bottles



## Reliability, Flexibility and Service

INVISTA delivers unmatched reliability with a PP polymer production facility located 200 miles inland from the Gulf Coast, integrated feedstock supply and on-purpose PGP production, backed by robust preventive maintenance procedures that minimize downtime and unplanned outages.

With a portfolio of 100+ grades, custom formulations, and low minimum order quantities, INVISTA gives customers flexibility in design and delivery. New product development is backed by 40+ years of experience, a state-of-the-art technical service and development lab, and regulatory expertise for healthcare and food-contact applications. With a commitment to mutually beneficial relationships, INVISTA's commercial and technical service teams provide timely response and personalized support.

## Unique Innovations for the Medical Market

### 11M35V

This homopolymer is a standard product for labware such as pipette tips, vials, micro-tubes, centrifuge tubes, PCR plates and tubes, racks, lids and test-kit components. 11M35V has a melt flow rate of 35 and is designed for EtO and autoclave sterilization. Characteristics include translucence, high stiffness and good impact properties.

### 12G50M

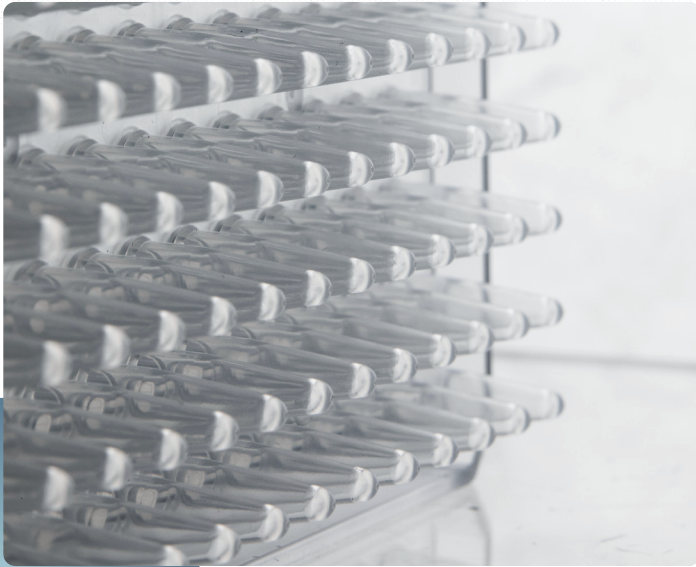
This random copolymer is a specialty product for labware. With a high melt flow rate of 50, sterilization methods include EtO, autoclaving, gamma and e-beam. In addition to withstanding high temperatures, 12G50M maintains remarkable clarity while also offering medium stiffness and better impact properties compared to 11M35V.

### 13R27V

This diagnostic and labware product is suited for use in such applications as pipette tips, centrifuge tubes, vials, micro-tubes, PCR plates racks, lids and test kit components. 13R27V is a 27MFR replacement for similar random copolymers with excellent clarity and low warpage characteristics. It also does not cause excessive plate out issues and is suitable for gamma or e-beam radiation sterilization.

### 13G27M

This random copolymer has been specifically designed for diagnostic and labware products. It is formulated for low extractable/leachables and has good clarity. It is suitable for gamma and e-beam, autoclave and EtO sterilization.



## Expert Regulatory Support

INVISTA brings extensive capabilities in developmental programs along with in-house commercial and technical expertise, backed by decades of combined experience in regulatory requirements for medical-grade PP and drug master files. With a state-of-the-art technical service and development lab, we can complete testing ahead of time to streamline approvals, ease the qualification process and assist with sampling. Partner with us from concept through completion to save valuable time getting your products to market.

## Resins Designed for You

Through close collaboration with you, our application development team can achieve the right mechanical properties and performance characteristics for medical applications. Our MedSelect™ resins are formulated to USP<88> Class VI or above and come with biocompatibility results. We maintain consistent formulations with regulatory upkeep for all grades of medical polypropylene. We also provide thorough laboratory testing so you can have confidence your polypropylene meets all the necessary standards.



## Supply You Can Trust

- Long-term supply availability
- Integrated feedstock supply with on-purpose production
- Traceability and quality controls
- Consistent formulations with regulatory upkeep



### See the Difference

Visit [invista-pp.com](https://invista-pp.com) to request information and samples.

## MedSelect™ Grades

Product	Type	Melt Flow Rate (g/10m)	Sterilization Method			End-Use Application
			Radiation	Autoclave	EtO	
H0500HN	Homopolymer	5		●	●	Closures, medical device components
P4C5N-046	Homopolymer	20		●	●	Nucleated medical devices, closures, ophthalmic
11M35V	Homopolymer	35		●	●	Labware, pipette tip, medical components
23M2A	Random Copolymer	2		●	●	Pharma packaging, BFS bottles, autoclavable
23R2A	Random Copolymer	2	●	●	●	Radiation sterilizable, vials & bottles
13R9A	Random Copolymer	9	●	●	●	Radiation sterilizable medical devices & labware
23N10A	Random Copolymer	10		●	●	Pharma packaging, SBM, bottles, autoclavable
13T25A	Random Copolymer	25		●	●	Pharma packaging, medical devices; autoclavable, clarified
13R27V	Random Copolymer	27	●		●	Radiation, autoclavable, medical devices & labware, superior clarity
13G27M	Random Copolymer	27	●	●	●	Radiation, autoclavable, medical devices & labware, clarified, low E/L
P5M6K-080	Random Copolymer	27	●		●	Radiation sterilizable medical devices & labware, clarified
12G50M	Random Copolymer	55	●	●	●	Radiation sterilizable pipette tip & labware, autoclavable, clarified
11R12A	Specialty	12	●	●	●	Radiation sterilizable, closures, medical devices
P9M7R-056	Specialty	55	●	●	●	Radiation sterilizable pipette tip & labware, autoclavable, clarified, low warpage



Scan to see  
technical data sheets.

This Product Data Sheet relates only to the identified products and any identified uses. It is based on information available as of January 2022. Additional information may be needed to evaluate other uses of the product(s), including use of the product(s) in combination with any materials or in any processes other than those specifically referenced. THIS PRODUCT DATA SHEET DOES NOT CONTAIN A COMPLETE STATEMENT OF, AND DOES NOT CONSTITUTE A REPRESENTATION, WARRANTY OR GUARANTY WITH REGARD TO, A PRODUCT'S CHARACTERISTICS, USES, QUALITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THE SUITABILITY, SAFETY, EFFICACY, HAZARDS OR HEALTH EFFECTS OF THE PRODUCT, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCT, EXCEPT TO THE EXTENT REQUIRED BY THE RELEVANT LAW AND REGULATIONS. Nothing contained in this Product Data Sheet shall be construed to modify any of the terms under which the product(s) was sold by INVISTA. INVISTA and design are trademarks of INVISTA. © 2023 INVISTA. All rights reserved.



**INVISTA™**  
POLYPROPYLENE