



GEON® Flex MED Vinyl Materials

Vinyl-Based Formulations for Healthcare & Medical Applications

GEON® Flex MED is a medical grade flexible PVC product line specifically formulated for critical medical device applications. GEON® Flex MED is able to provide customers with a full product range of flexible PVC solutions including:

- Wide variety of flexible PVC product hardness range (40 Shore A to 90 Shore A)
- Biotested to USP Class VI compliance
- High clarity grades
- Excellent quality and consistency
- Excellent regulatory compliance
- Customized grades available
- Highly processable for extrusion, injection molding, film and sheet, blow-molding, etc.
- Sterilizable with gamma (stabilized) & EtO
- Made under strict cleanliness, and manufacturing line clearance criteria in an ISO 13485 quality system plant environment
- Wide variety of plasticizer and functionality choices
- Design flexibility

MARKETS AND APPLICATIONS

- Medical Tubing
- Film & Sheet
- Medical Bags
- Fluid Management
- Anesthesia & Respiratory
- Medical Masks
- Haptics/Soft Touch
- Caps & Closures
- Medical Wire Coating
- Antimicrobial
- Exam Gloves
- Medical Packaging
- Hospital furniture
- Medical Equipment
- Bumpers
- Inflatable Splints

FUNCTIONAL CUSTOMIZATION OPTIONS

- Color with Foster Medibatch™ FDA medical grade color pigments
- Imaging visibility with Foster LoPro™
 - Fluoroscopy (radiopacity)
 - MRI
 - Ultrasound
- Low COF with Foster Propell+™
- Antimicrobial with Foster Combat™ antimicrobial technology
- Durometer
- Melt index
- Clarity/Translucency
- Authentix® Brand Security Taggants
- Identification and printing with Foster LazerMed™ laser marking technology
- Variety of plasticizer options (phthalate & non-phthalate)
- An assortment of functional based PVC alloys

PVC - UNIQUE VERSATILITY IN MEDICAL

- Long, positive history in medical
- Very good physical property matrix
- Rigid and flexible grades
- No drying
- Good UV resistance
- Innate flame retardance
- Easily processed
- Excellent clarity
- Excellent secondary process capacity
 - Bonding
 - Printing
 - Welding Etc.
- Excellent biocompatibility
- Sterilization via EtO and gamma (stabilized)
- High performance - low cost

GEON® Flex MED SOLUTIONS

DUROMETER (15 SEC)	MATERIAL*	GAMMA RESISTANT	USP CLASS VI	EXAMPLE APPLICATIONS†
65A	66500G	Yes	✓	Soft Tubing, Hose, Medical Devices, Hospital Goods, Food Service
70A	67000G	Yes	✓	Soft Tubing, Hose, Medical Devices, Hospital Goods, Food Service
70A	HC17080	No	✓	Medical Devices
75A	HC17580	No	✓	Tubing, Hose
80A	HC18080G	Yes	✓	Medical Devices
85A	HC18580	No	✓	Tubing, Hose
85A	68500G	Yes	✓	Soft Tubing, Hose, Medical Devices, Hospital Goods, Food Service

* All listed products are made with DOTP Plasticizer

All listed products are made with FDA-sanctioned raw materials, and produced on medical manufacturing lines that employ Good Manufacturing Practices (GMP). In addition, we can work with you to create a custom solution for your performance needs.

† It is the customer's responsibility to ensure the material is suitable for the intended application.

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