



Geon™ HC Vinyl Materials

Vinyl-Based Formulations for Healthcare & Medical Applications

Engineered exclusively for the healthcare market, Geon™ HC Vinyl is the ideal material for a wide range of medical applications. It is proven as a safe and durable solution and is formulated to meet stringent healthcare safety requirements as defined by numerous agencies. These include the FDA, USP, UL, NSF, the European Commission, and the U.S. Consumer Product Safety Commission.

Formulations include flexible non-phthalate and non-ortho-phthalate vinyl options to meet various medical device applications or needs.

GEON™ HC FLEXIBLE VINYL MATERIALS

Flexible materials for a wide-range of medical applications including tubing, connectors and face masks.

- Broad durometer range (55A to 95A)
- Transparent or opaque colors, ETO sterilizable
- USP Class VI and gamma-stable grades

GEON™ HC NON-PHTHALATE AND NON-ORTHO-PHTHALATE VINYL MATERIALS

Specifically formulated for healthcare applications where a non-phthalate or non-ortho-phthalate plasticizer system may be desired.

- Broad durometer range (55A to 95A)
- Hemocompatible and gamma-stable grades
- Custom formulations available

GEON™ HC RIGID VINYL MATERIALS

Great balance of performance and cost for molded medical device housings.

- Inherent flame resistance and good chemical resistance
- Design flexibility and excellent aesthetics
- Printable, weldable, and bondable for safe and effective connections with other components

A SMART CHOICE

The inherent properties of vinyl polymer provide excellent performance, including exceptional resistance to flame, chemicals, and light. Vinyl has been a vitally important material for over 50 years and is tested and approved for use in many medical products today.

Vinyl can be safely processed, is recyclable, and provides a sustainable, environmentally acceptable solution.

The material grades highlighted below represent a sampling of the broad range of properties available within our vinyl materials portfolio; additional grades are available. In addition, we can work with you to create a custom solution for your performance needs.

DUROMETER (15 SEC)	MATERIAL #*	GAMMA-STABLE	PLASTICIZER TYPE	EXAMPLE APPLICATIONS†
60A	HC2160	HC2160G	Citrate	Soft tubing, molding applications, oxygen masks
65A	HC2165	HC2165G	Citrate	Medium soft tubing, molding applications, oxygen masks
70A	HC2170	HC2170G	Citrate	Medium soft tubing, molding applications, oxygen masks
75A	HC2175	HC2175G	Citrate	Medium soft tubing, molding applications, oxygen masks
80A	HC2180	HC2180G	Citrate	Medium stiff tubing, molding applications, endotracheal tubing, drip chambers, connectors, catheters, bags
85A	HC2185	HC2185G	Citrate	Medium stiff tubing, molding applications, endotracheal tubing, drip chambers, connectors, catheters, bags
90A	HC2190	HC2190G	Citrate	Stiff tubing, molding applications, drip chamber components, catheters, luers, and connectors
95A	HC2195	HC2195G	Citrate	Stiff tubing, molding applications, drip chamber components, catheters, luers, and connectors
55A	HC65500	HC65500G	DOTP	Soft tubing, molding applications, oxygen masks
60A	HC66000	HC66000G	DOTP	Soft tubing, molding applications, oxygen masks
65A	HC66500	HC66500G	DOTP	Medium soft tubing, molding applications, oxygen masks
70A	HC67000	HC67000G	DOTP	Medium soft tubing, molding applications, oxygen masks
75A	HC67500	HC67500G	DOTP	Medium soft tubing, molding applications, oxygen masks
80A	HC68000	HC68000G	DOTP	Medium stiff tubing, molding applications, endotracheal tubing, drip chambers, connectors, catheters, bags
85A	HC68500	HC68500G	DOTP	Medium stiff tubing, molding applications, endotracheal tubing, drip chambers, connectors, catheters, bags
90A	HC69000	HC69000G	DOTP	Stiff tubing, molding applications, drip chamber components, catheters, luers, and connectors
95A	HC69500	HC69500G	DOTP	Stiff tubing, molding applications, drip chamber components, catheters, luers, and connectors

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.

* Standard color for HC 2100 series products is water clear transparent. Standard color for HC 2100G series is clear transparent with slight blue tint. Custom colors available.

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

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