



NexMed™ MF3000MR Clear Medical Molding Series

PVC Materials for Advanced Medical Devices

Together, Foster, LLC and Geon Performance Solutions are extending their passions for uncompromising performance, quality and innovation to the medical PVC market.

Foster, as the medical division of Geon, can scale from low-volume precision specialty up to high-volume medical grade compounds and everything in between, serving all segments of the medical device and life sciences markets. Foster's medical polymers deliver end-to-end solutions to OEMs and CMOs engaged in the production of FDA Class 1, 2 and 3 devices and select pharma and biopharma products.

NexMed™ MF elevates the game for medical device companies looking for cutting-edge material formulation technology and best-in-class performance. These PVC materials are high-quality, reliable, and precisely designed to be safe for patients and to promote ever improving therapeutic outcomes.

NexMed MF3000MR DOTP Plasticized PVC

Applications: Molded Components

Pre-formulated from Shore A 50 to 95 in 5-point increments

Available in a high-clarity medical clear blue tint, or without color additives, per customer requirements

Developed and manufactured under Foster's ISO-13485 quality standards

ADM, BPA and latex free

Standard grades are in stock for immediate sampling and expedited product development cycles

Compliant with CA Prop 65, EU REACH-SVHC, EU MDR, and EU ROHS 1, 2 & 3

Formulated with FDA CFR 21 ingredients, Non-DEHP and Non-Ortho Phthalate

Sterilization methods: ETO, Gamma, E-Beam, X-Ray and Autoclave with excellent color hold and minimal loss to physical properties (test data pending)



Meet biocompatibility standards



Sterilizable



Compliant with regulatory standards

NEXMED MF PVC

NexMed MF3000MR is a clear, DOTP-plasticized, gamma stable, non-DEHP injection molding series available in Shore A 50, 55, 60, 65, 70, 75, 80, 85, 90 and 95 hardness.

NexMed MF3000MR Series

NexMed MF Grades	Durometer, Shore A (15 sec delay, 24 hrs)	Specific Gravity	Tensile Strength, psi	Ultimate Elongation %	Melt Flow Rate, g/10 min	Tear Strength, lbf/in	Low Temperature Brittle Point, °C
	ASTM D2240	ASTM D792	ASTM D638	ASTM D638	ASTM D638	ASTM D624	ASTM D746
MF3000 MR-50	50A	1.16	1300	470	1140	100	-55.0
MF3000MR-55	55A	1.17	1500	450	509	120	-50.0
MF3000MR-60	60A	1.17	1700	450	230	150	-48.0
MF3000MR-65	65A	1.19	1900	450	106	190	-45.0
MF3000MR-70	70A	1.21	2000	450	132	225	-40.0
MF3000MR-75	75A	1.22	2200	430	54	275	-37.0
MF3000MR-80	80A	1.23	2350	400	23	320	-30.0
MF3000MR-85	85A	1.21	2400	350	74	380	-23.0
MF3000MR-90	90A	1.24	2650	320	23	475	-15.0
MF3000MR-95	95A	1.25	2800	300	13	220	-10.0

Preliminary data subject to change. Full data sheets are available upon request.

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