

NexMed™ MF3000ER Clear Medical Tubing 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 MF3000ER DOTP Plasticized PVC

Applications: Tubing

Pre-formulated from Shore A 50 to 90 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 MF3000ER is a clear, DOTP-plasticized, gamma stable, non-DEHP extrusion series available in Shore A 50, 55, 60, 65, 70, 75, 80, 85, and 90 and hardness.

NexMed MF3000ER Series							
	Durometer, Shore A (15 sec delay, 24 hrs)	Specific Gravity	Tensile Strength, psi	Ultimate Elongation %	100% Modulus	Tear Strength, lbf/in	Low Temperature Brittle Point, °C
NexMed MF Grades	ASTM D2240	ASTM D792	ASTM D638	ASTM D638	ASTM D638	ASTM D624	ASTM D746
MF3000ER-50	50A	1.16	1650	450	523	130	-55
MF3000ER-55	55A	1.17	1800	450	611	150	-50
MF3000ER-60	60A	1.18	1800	450	706	175	-48
MF3000ER-65	65A	1.19	2150	450	837	220	-45
MF3000ER-70	70A	1.20	2470	430	1032	250	-40
MF3000ER-75	75A	1.21	2500	430	1188	300	-37
MF3000ER-80	80A	1.22	2610	400	1443	350	-30
MF3000ER-85	85A	1.23	2950	400	1969	450	-23
MF3000ER-90	90A	1.24	2900	350	2338	575	-15

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

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