

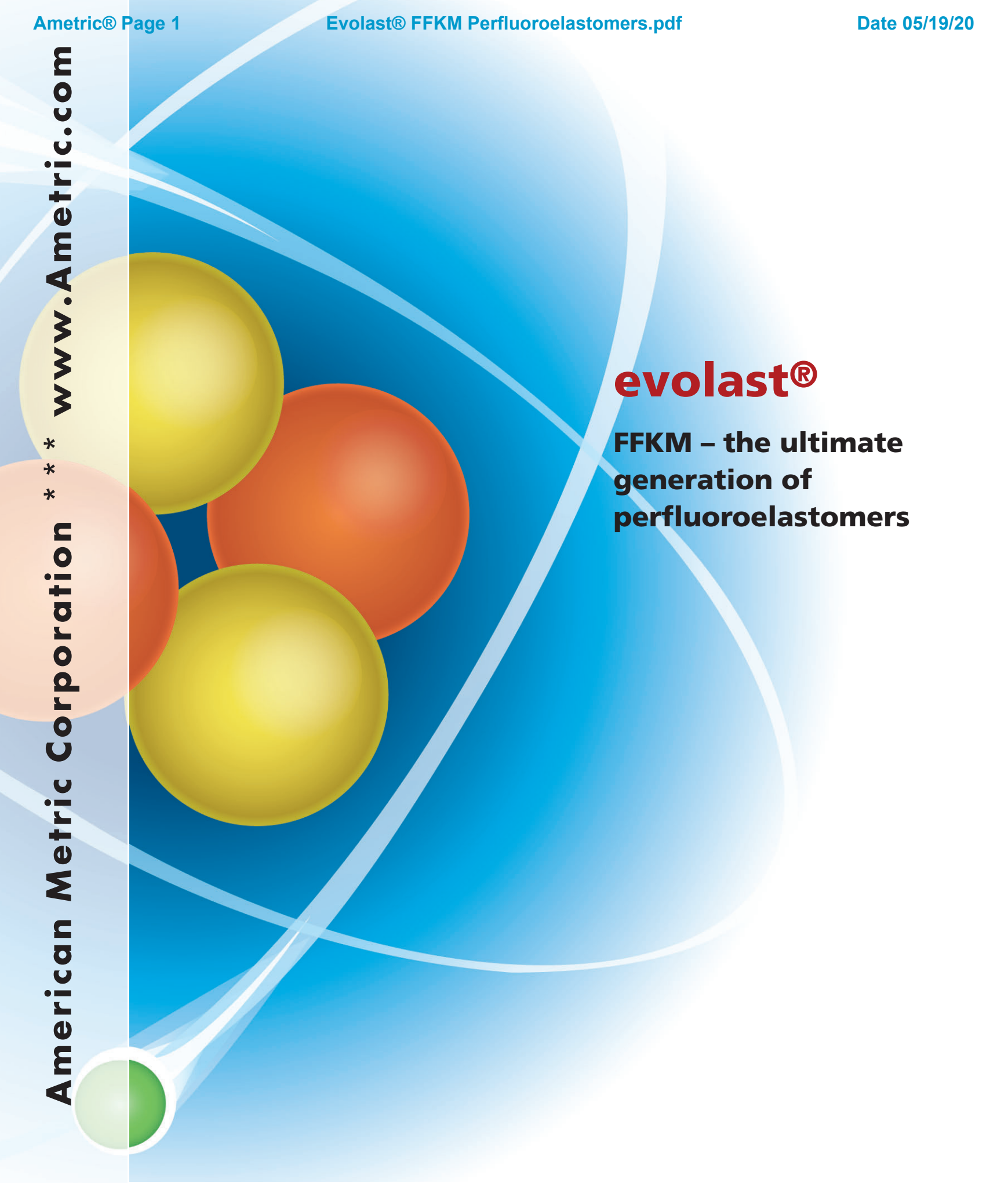
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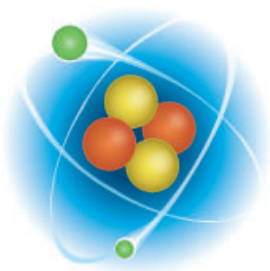
American Metric Corporation

evolast®

**FFKM – the ultimate
generation of
perfluoroelastomers**



evolast® – High Performance Elastomers



evolast® – FFKM

The development of **FFKM** has now raised rubber to a hitherto unknown peak in the sealing applications segment!

evolast® combines the excellent chemical and thermal properties of PTFE thermoplastics with the elasticity and superior compression set resistance of elastomers.

evolast® is used in the chemicals industry, in medicine and in food industry. It is also used in oil and gas production, and in processing all of the above products, as well as in many other applications where seals are expected to perform to highly exacting standards.

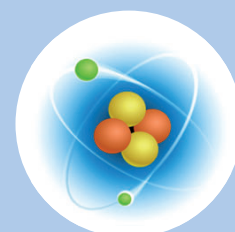
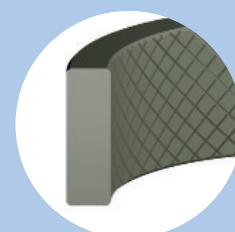
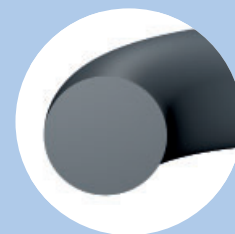
Until now, the high production costs of **evolast®** meant it could only be used in these areas. **FFKM** can provide significant benefits in applications where other elastomers or thermoplastics are used today.

The longer service life and cost savings that an extended service period offers often compensate for much more than just the high initial outlay.

Not least because of this is **FFKM** destined to make ever-increasing inroads into the sphere of technical applications, similar to how FKM did more than 40 years ago.

The O-rings made from **evolast® FFKM** range from small to large! Currently, some 10,000 different sizes are available from existing tools, the largest with diameters of up to 2000 mm. Also parts to customers specifications and drawings are being produced.

Ametric® sees one of its tasks as supplying **evolast®** O-rings in proven reliability from stock. Information on different compounds, as prices and delivery times, are available, by contacting engineering@ametric.com



Name	Material	Hardness Shore A	Colour	Temperature °C from	to	Remarks *approvals available
evolast® B694	FFKM	60	white	-20	+270	according to FDA, USP Class VI - 3A-Sanitary Standard
evolast® B794	FFKM	70	white	-20	+270	*FDA 21CFR177.2400, *USP Class VI, *3A-Sanitary Standard, *Reg. EC 1935/2004, *DM 21/03/1973, *BfR XXI
evolast® B795	FFKM	70	white	-15	+300	high temperature, according to FDA, USP Class VI - 3A-Sanitary Standard
evolast® B7LT	FFKM	70	white	-40	+250	ultra low temperature, acc. to FDA, USP Class VI - 3A-Sanitary Standard
evolast® B7SC	FFKM	75	white	-20	+300	high temperature, high purity, plasma applications
evolast® B894	FFKM	80	white	-20	+270	according to FDA, USP Class VI - 3A-Sanitary Standard
evolast® B895	FFKM	80	white	-15	+300	high temperature, according to FDA, USP Class VI - 3A-Sanitary Standard
evolast® N694	FFKM	60	black	-25	+270	standard applications
evolast® N697	FFKM	60	black	-40	+260	*FDA CFR 177.2400, *FDA CFR 177.2600 , ultra low temperature
evolast® N775	FFKM	75	black	-15	+340	outstanding thermal stability, not suitable for steam/Amine
evolast® N794	FFKM	70	black	-25	+270	standard applications, *FDA 21 CFR 177.2400, *FDA 21 CFR 177.2600, *3A-Sanitary Standard, *USP Class VI , high temperature
evolast® N7FD	FFKM	75	black	-20	+270	*FDA 21CFR177.2400, FDA 21CFR177.2600, USP Class VI - 3A-Sanitary Standard according to USP Class VI
evolast® N7HC	FFKM	70	black	-20	+260	steam, hot water, Amine
evolast® N7LT	FFKM	75	black	-40	+250	ultra low temperature
evolast® N894	FFKM	75	black	-25	+270	standard applications, preferably stored
evolast® N896	FFKM	75	black	-15	+330	high temperature
evolast® N897	FFKM	80	black	-30	+260	low temperature
evolast® N8FD	FFKM	75	black	-15	+315	high temperature, according to FDA, USP Class VI - 3A-Sanitary Standard
evolast® N8LT	FFKM	75	black	-40	+260	ultra low temperature
evolast® N8SR	FFKM	75	black	-15	+330	steam, hot water resistance
evolast® N993	FFKM	90	black	-20	+270	standard applications
evolast® N994	FFKM	90	black	-30	+260	low temperature
evolast® N995	FFKM	90	black	-15	+330	high temperature
evolast® N9ED	FFKM	90	black	-15	+260	*AED NORSOK M710 – 5.33 mm, API6A (sour gas environment) – 10% H2S *NACE TM0187 (sour gas environment) – 5% H2S and – 20% H2S *Sour fluid test Arrhenius ISO 23936-2/NORSOK M710-3
evolast® N9EX	FFKM	90	black	-15	+320	*AED Norsok M710 , high temperature
evolast® N9LT	FFKM	90	black	-46	+250	*AED Norsok M710, *BS EN ISO 23936-2 , low temperature
evolast® V7FD	FFKM	70	green	-15	+270	standard applications, acc. to FDA, USP Class VI - 3A-Sanitary Standard
evolast® V895	FFKM	80	green	-15	+310	high temperature

All evolast® compounds offer an outstanding chemical resistance performance.

In the "Remarks" column you can find directions / suggestions to the specific application and any approvals / certificates.