



LT 170 – The FKM material that does not compromise

COG's high quality precision O-rings are used in the widest variety of sectors of industry and must therefore satisfy the very highest requirements in order to achieve the best possible sealing results. Especially in the low temperature range and in conjunction with aggressive media, problems can often occur.

To this end, with the FKM sealing material LT 170 with a hardness of 70 Shore A, COG offers an attractive solution for users with high demands. As well as excellent chemical resistance, the compound also displays outstanding resistance to ageing. Ideal conditions for long-term, leakage-free use, even at low temperatures.



Properties of LT 170

- High quality FKM material
- Excellent low temperature flexibility (TR 10 value: -39.5 °C)
- Can be used at temperatures ranging from -50 °C to +200 °C
- Excellent chemical resistance
- Low gas permeability
- Especially versatile in its use, e. g. for demanding hydraulic applications
- Outstanding resistance to ageing

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LT 170 – Even flexible at low temperature ranges



Thanks to its excellent material properties, the LT 170 material is suitable for universal use. Due to its wide temperature range of -50 °C to +200 °C, and its great resistance to lots of different media, the LT 170 FKM compound provides long-term resistance in the widest range of applications.

DATA-SHEET

COG-No.:	LT 170
Basic elastomer:	Fluorinated rubber (FKM)
Colour:	red
Temperature range (air):	from -50 °C to +200 °C

Rubber technology data

Properties	Unit	Value	Testing methods
Hardness:	Shore A	70 ± 5	DIN ISO 7619-1
	°IRHD, CM	68 +3/-8	DIN ISO 48
Tensile strength:	MPa	6,4	DIN ISO 53504
Elongation:	%	290	DIN ISO 53504
Compression set: (24 h/200 °C)	%	< 30	DIN ISO 815
TR-10	°C	-39,5	ASTM D 1329

The indicated values do not replace the official data sheet. They are not binding and exclude all liability for damage of any kind.

LT 170: Further information

Excellent resistance to:

- various mineral oils
- aliphatic, aromatic and chlorinated hydrocarbons
- diluted and concentrated acids and alkalis
- enjoys excellent low temperature properties

Our clients define the aims of everything we do. New ideas and products are developed quickly and in a market- and goal-oriented manner.

The result is often a major market benefit to our clients. Please refer to www.cog.de or contact us directly for more information. Let's discuss your aims.

