



TECHNICAL DATASHEET

26.06.2025

COG material	Ne 471
Basic elastomer	Chloroprene rubber (CR)
Colour	black
Operating temperature (air)	from -40 °C to +120 °C
Approvals/Certifications	n/a
Curing system	peroxide cured
Note	n/a

Properties	Unit	TEST SPECIMEN		O-RING	
		Value	Test method	Value	Test method
Hardness	Shore A	70 ± 5	DIN ISO 48	70 ± 5	DIN ISO 48
Hardness	°IRHD	70 +3/- 8	DIN ISO 48	68 +3/-8	DIN ISO 48
Tensile strength	MPa	> 14	DIN 53 504	n/a	n/a
Elongation	%	> 200	DIN 53 504	n/a	n/a
Modul	n/a	n/a	n/a	n/a	n/a
TR-10	°C	-37	ASTM D 1329	-37	ASTM D 1329
Compression set (24 h / 100 °C)	%	< 22	DIN ISO 815	< 30	DIN ISO 815
Compression set (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Hardness after storage at hot temperatures (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Hardness after storage at hot temperatures (168 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Hardness after depositing in IRM 901 (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Volume after depositing in IRM 901 (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Hardness after depositing in IRM 903 (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Volume after depositing in IRM 903 (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Hardness after depositing in (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Volume after depositing in (72 h / 100 °C)	n/a	n/a	n/a	n/a	n/a
Härte nach Einlagerung in	n/a	n/a	n/a	n/a	n/a
Volumen nach Einlagerung in	n/a	n/a	n/a	n/a	n/a

The values shown are average values, resulting from a limited amount of laboratory tests. The tests were carried out on standard test specimens, and so the results could differ markedly from tests carried out on finished parts. It is the customer's responsibility to ensure that he or she performs their own tests, so as to be certain that the product is suitable for its intended use.

Our recommendations are based on the full extent of our available knowledge. However, they are non-binding, and we cannot be held liable for any kind of damages that may arise whatsoever.

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Description of material

CR rubber primarily exhibits good resistance to many refrigerants and refrigeration machine oils. But it also yields good results in respect of its resistance to ageing, ozone, acids and alkalis. What's more, CR also demonstrates good physical values, eg high resistance to abrasion, high stability and favourable temperature resistance.

Area of application

Versatile material used in a wide range of industrial areas.

- Air conditioners (mobile + stationary)
- Refrigeration plants, refrigerators, freezers (industrial process gas conditioning)

Approvals/Certifications

Special attributes

- Good resistance to many refrigerants and corresponding compressor oils



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