

ASTM D2000 M2 BC714 A14 B14 EO14 EO34 F17

Chloroprene (Neoprene) 70 ShA

Chloroprene / Neoprene / CR

Chloroprene (or Neoprene / CR) was one of the first developed synthetic compounds, invented by DuPont™ scientists in 1930. Chloroprene is a good multi-purpose material, it exhibits fair oil resistance and good ozone and weather resistance. A combination of both these properties is usually not found in other commonly available elastomers like NBR and EDPM. Chloroprene is often used in refrigeration systems due to the excellent resistance to refrigerants such as Freon® (R12, R13, R21, R22, R113, R114, R115, R134A) and ammonia.

Colour: Black

Operating temperature range: -40°C to 110°C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	IRHD	70 ±5
Tensile Strength	ASTM D 412	Mpa	14.3
Elongation	ASTM D 412	%	250
Specific Gravity	ASTM D 297	g/cm3	1.4
Compression Set 22h / 100°C	ASTM D 395 B	%	14
Low Temperature Resistance	ASTM D 2137 - No cracks	°C	-40

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	100	2	-7	-11	
ASTM Oil 901	ASTM D 471	70	100	-4	-3	-10	7
ASTM Oil 903	ASTM D 471	70	100		-45	-46	65

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