



## 304 - Neoprene Rubber Polychloroprene (CR)

Temperature Range: -40°C to +110°C (-40°F to +230°F).

Neoprene rubbers are homopolymers of chloroprene (chlorobutadiene) and were among the earliest synthetic rubbers used to produce seals. CR has good aging characteristics in ozone and weather environments, along with abrasion and flex cracking resistance. CR is not effective in aromatic and oxygenated solvent environments.

Most elastomers are either resistant to deterioration from exposure to petroleum based lubricants or oxygen, where Neoprene is unusual in having some resistance to both. This, combined with a broad temperature range and moderate cost, accounts for its desirability in applications with refrigerants like Ammonia, Freon® (R12, R13, R21, R22, R113, R114, R115, R134A), silicone oils, water, ozone, vegetable oils, alcohols, and low-pressure oxygen.

CR has a very low resistance to mineral oils.

Ref	Specification	Hardness IRHD	SG	Tensile Strength (MPa)	Elongation at Break %	Colour
304 - CRC40	BS2752:C40	43°	1.25	13	6600	Black
304 - CR501	Commercial	50°	1.35	5	400	Black
304 - CRC50	BS2752:C50	53°	1.35	17	480	Black
304 - CR602	Commercial	60°	1.45	6	300	Black
304 - CR601	Commercial	60°	1.35	5	300	Black
304 - CR604	Commercial	60°	1.45	6	250	Black
304 - CRC60	BS2752:C60	64°	1.42	19	340	Black
304 - CR606	Food Quality	60°	1.50	9	450	White
304 - CR607	Insertion (reinforced)	60°	1.45	-	-	Black
304 - CR608	Insertion (reinforced)	60°	1.35	5	300	Black
304 - CR701	Commercial	70°	1.45	7	250	Black
304 - CRC70	BS2752:C70	73°	1.40	18.9	310	Black
304 - CR709	Flame Retardant (NCB)	70°	1.40	13	400	Black
304 - CRC80	BS2752:C80	83°	1.40	19	230	Black

For more detailed information on any or all grades please contact our Technical Department.

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