

Model: C70006

AS568-000-006, C70

O-ring Size: 1/8"ID X 1/4"OD X 1/16"CS

Description: Neoprene - Chloroprene Rubber

Chloroprene (commonly known as "Neoprene") is one of the oldest synthetic elastomers. Introduced in 1931, it is used in a variety of applications due to its ability to resist both oils and oxidation. The oil resistance, however, depends significantly on the type of oil. Chloroprene has good resistance to naphthenic and paraffinic oils of high molecular weight, but swells excessively in aromatic oils of low molecular weight. Vulcanizates of chloroprene display little significant change after prolonged outdoor exposure. Because of its chlorine content, flame resistance is superior to that of most other rubbers. Some chloroprene vulcanizates, especially O-Rings, sometimes exhibit distortion due to crystallization of the rubber at room temperature. This effect can be completely reversed by warming the parts in low heat. Chloroprene is especially well suited to rubber-to-metal bonding.

Neoprene O-Rings are resistant to refrigerants, ammonia, Freon® (R12, R13, R21, R22, R113, R114, R115, R134A), silicone oils, water, ozone, sunlight, vegetable oils, alcohols, and low-pressure oxygen.

Composition

Chloroprene Rubber

Physical Properties*

	Excellent	Good	Fair	Poor
Abrasion resistance	•			
Compression Set		•		
Elongation		•		
Flame resistance		•		
Gas permeability		•		
Low temperature flexibility		•		
Tear resistance			•	

	Excellent	Good	Fair	Poor
Tensile strength		•		

Chemical Resistance*

	Excellent	Good	Fair	Poor
Aromatic & oxygenated solvents				•
Automotive refrigerants	•			
Dilute acids	•			
Dilute alkalis	•			
Ozone	•			
Steam			•	
Water		•		
Weather	•			

Operating Temperature

-40 to 275 °F

**Excellent, good, fair and poor are intended to serve as general guidelines only. Actual testing in the application environment is always recommended.*

The O-ring Store is a distributor of O-rings, Seals, Seal Kits, Hydraulic Seals, and Pneumatic seals for many applications. We provide seal products to a variety of industries and customers such as: Automotive, Pool, Spa, Pump, Restaurant, Washer, Hydraulic, Coatings, construction equipment, material handling, industrial plant applications, farming, and logging equipment. We do not imply that these kits are original replacement parts.