

Neoprene® 70-compound 32906 - Technical Data Sheet

1. Introduction

The ERIKS Neoprene® 70 32906 compound is made of Polychloroprene-Neoprene. It is a standard O-Ring quality with good ozone and weathering resistance.

2. Product Description

Chemical Composition :	Polychloroprene Rubber
Physical form :	O-Rings
Colour :	Black
Storage stability * :	± 6 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70° ± 5° IRHD
Specific Weight	ISO 2781	1,40
Tensile Strength at break	ISO 37	14 N/mm ²
Elongation at break	ISO 37	min. 250%
Compression Set 22h/100°C, on slab	ISO 815	max. 25%
Heat Ageing, foll. D573, 70h/100°C	ASTM D 2000	
Hardness Change		+10%
Tensile Strength Change		-15%
Elongation Change		-25% max.
Immersion in ASTM oil n°1, 70h/100°C	ASTM D 2000	
Test Method D 471		
Hardness Change		-10%
Tensile Strength Change		-20% max.
Elongation Change		-20% max.
Volume Change		-10 to +15%
Immersion in ASTM oil n°3, 70h/100°C	ASTM D 2000	
Test Method D 471		
Hardness Change		-10 to +5°
Tensile Strength Change		-50% max.
Elongation Change		-50% max.
Volume Change		+70%
Low temperature Test Test Method D 2173 A	ASTM D 2000	non brittle after 3 minutes at -40°C

4. Temperature Resistance

- -35° to +110°C

Vegetable oils	: fair
Esters	: poor
Ozone	: very good
Steam	: fair
Water	: very good

5. Chemical Resistance

Alkali	: good
Air	: very good
Alcohol	: very good
Fats	: good
Mineral oils	: good

6. Advantages

- Good ozone and weathering resistance.
- Good flame resistance.

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.