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	ISO 815	
22h/100°C, on slab		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	ASTM D 2000	non brittle after 3
Test Method D 2173 A		minutes at -40°C

4. Temperature Resistance

- -35° to +110°C

5. Chemical Resistance

Alkali	:	good
Air	:	very good
Alcohol	:	very good
Fats	:	good
Mineral oils	:	good
Vegetable oils	:	fair
Esters	:	poor
Ozone	:	very good
Steam	:	fair
Water	:	very good

6. Advantages

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