



# Neoprene® 70-compound WER 3002 - Technical Data Sheet

## 1. Introduction

The WESTERN Neoprene® 70 WER 3002 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

## 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 <sup>2</sup>
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

## 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

## 4. Temperature Resistance

• -35° to +110 °C

## 6. Advantages

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