

EPDM 75-compound 559304 - Technical Data Sheet

1. Introduction

EPDM 70-compound 559304 is made of a Peroxide cured NORDEL 2522 for extreme applications where lifetime is very important.

Chemical Composition :	Peroxide cured NORDEL 2522
Physical form :	O-Rings / Mouldings
Colour :	Black
Storage stability * :	± 10 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	75° ± 5° IRHD
Tensile Strength at break	ISO 37	14 MPa
Elongation at break	ISO 37	350%
Specific Weight	ISO 2781	1,089
Compression Set	ISO 815	
24h/100°C, on O-Ring 3,53 mm		5,6%
24h/150°C, on O-Ring 3,53 mm		12,1%
Heat Ageing, 70h/150°C	ISO 188	
Hardness Change		-2°
Volume Change		-0,8%
Weight Change		-0,9%
Acetone Immersion, 46h/23°C	ISO 1817	
with drying during 22 hours at 100°C		
Hardness Change		-1°
Volume Change		+0,1%
Weight Change		-0,2%

4. Temperature Resistance

- -55° to +150°C
- TR10 (low temp. resistance): -45°C

5. Chemical Resistance

Air	: excellent
Alcohol	: excellent
Alkali	: excellent
Fats	: unsatisfactory
Hydrocarbons	: unsatisfactory
Ethers	: excellent
Esters	: unsatisfactory
Acids	: fair
Oils	: unsatisfactory
Water	: excellent
Steam	: good
	up to 150°C
Ozone	: very good

6. Advantages

- For use in extreme applications where lifetime is important.
- Extremely low compression set.

7. Other Information

- Mainly available in AS-dimensions.

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.