

EPDM 70-compound 55914 PC - Technical Data Sheet

1. Introduction

EPDM 70-compound 55914 PC is an EPDM Terpolymer Peroxide cured. It is a high performance EPDM compound.

2. Product Description

Chemical Composition	: Ethylene / Propylene / Diene Terpolymer
Physical form	: O-Rings / Mouldings
Colour	: Black
Odour	: None
Storage stability *	: 10 years

* : Following DIN 7716 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	DIN 53519	70° ± 5° IRHD
Tensile Strength at break	DIN 53504	min 10 MPa
Elongation at break	DIN 53504	min 330%
Specific Weight	ASTM D 1817	1,12
Compression Set	DIN 53517	
25% compression - 22h/150°C on slab		max 15%
on O-Ring (3,53 mm)		max 25%
Heat Ageing 70h/100°C	DIN 53508	
Hardness Change		max +12°
Volume Change		max -4%
Acetone immersion 46h/23°C after drying 22h/100°C	DIN 53521	
Hardness Change		max +3°
Volume Change		max -2%
Weight Change		max -3%

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 140°C
Ozone	: excellent

6. Advantages

- Very low compression-set
- Stock item for ca 2000 dimensions
- Excellent steam resistance
- Excellent ozone and weathering resistance

7. Other Information

- See also our compound 55914 which is Peroxide cured.

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.