

EPDM 75-compound 559236 - Technical Data Sheet

1. Introduction

EPDM 75-compound 559236 is made of a Peroxide cured for heating applications.

2. Product Description

Chemical Composition :	Peroxide cured
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 with drying during 22 hours at 100°C	ISO 1817	
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 good compression set.

7. Other Information

- Mainly available in AS-dimensions.