

EPDM 70-compound 559002 - Technical Data Sheet

1. Introduction

EPDM 70-compound 559002 is a resin cured EPDM-compound for contact in steam at high temperatures.

2. Product Description

Chemical Composition:	Ethylene / Propylene / Diene Terpolymer, resin cured	
Physical form :	O-Rings / Mouldings	
Colour :	Black	

^{*:} Following ISO 2230 conditions

Storage stability * : ± 7 years

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70° ± 5° IRHD
Tensile Strength at break	ISO 37	13 MPa
Elongation at break	ISO 37	150%
Compression Set	ISO 815	
25% compression, 24h/150°C		15% max
Heat Ageing 70h/100°C	ASTM D 573	
Hardness Change		+10°
Tensile Strength Change		+20%
Elongation at break Change	A A	-20%

4. Temperature Resistance

• -30° to +180°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

6. Advantages

- Low compression set.
- Good water and steam resistance.

7. Other Information

· Other colours available on demand.

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.