

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
Storage stability * :	± 7 years

* : Following ISO 2230 conditions

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		-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.