

### EPDM 70-compound 559302 black - Technical Data Sheet

#### 1. Introduction

EPDM 70-compound 559302 is an EPDM Terpolymer Peroxide cured. It is a high performance EPDM compound. Conform to FDA 177.2600, 3A Sanitary Standards class I and USP XXIII class VI. Certified by Toxicon Laboratory.

#### 2. Product Description

Chemical Composition :	Ethylene / Propylene / Diene Terpolymer
Physical form :	O-Rings / Mouldings
Colour :	Black
Odour :	None
Storage stability * :	10 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	min 10 MPa
Elongation at break	ISO 37	min 300%
Specific Weight	ISO 2781	1,26
Compression Set 25% compression - 22h/100°C on slab	ISO 815	max 26%
Heat Ageing 70h/100°C Hardness Change Volume Change	ASTM D573	max +12° max -4%

#### 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

- Can be delivered in small quantities in ca. 10.000 different dimensions
- Excellent steam resistance
- Excellent ozone and weathering resistance

#### 7. Other Information

- This compound is ADI (Animal Derived Ingredient Free).

