

EPDM 70-compound 559270 - Technical Data

1. Introduction

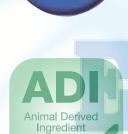
EPDM 70-compound 559270 FDA is an EPDM Terpolymer Peroxide cured. In conformity with FDA 177.2600.

2. Product Description

Chemical Composition: Ethylene / Propylene / Diene Terpolymer

Physical form O-Rings / Mouldings

Colour Black Odour None ± 10 years Storage stability *



3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70 ± 5 IRHD
Tensile Strength at break	ISO 37	min 18,2 MPa
Elongation at break	ISO 37	min 249%
Specific Weight	ISO 2781	1,13
Compression Set	ISO 815	
25% compression - 22h/150°C		
on slab		max 25%
Heat resistance 7 days/70°C	ISO 188	
Change in Tensile strength		-15%
Change in allongation		-25%

6. Advantages

- Can be produced in small quantities
- Migration tested in compliance with FDA 177.2600 (certificates on demand)

5. Chemical Resistance

4. Temperature Resistance

• -55° to +150°C

Air excellent Alcohol excellent excellent Alkali Fats unsatisfactory Hydrocarbons unsatisfactory **Ethers** excellent

• TR10 (low temp. resistance): -45°C

Acids fair

Esters

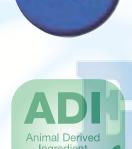
unsatisfactory Oils Water excellent Steam

good up to 150°

unsatisfactory

7. Other Information

- Compound is formulated to FDA 177.2600 for aqueous foods (class 2)
- Produced with high purity furnace black (more than 10%)
- This compound is ADI (Animal Derived Ingredient Free).







^{*:} Following ISO 2230 conditions