

EPDM 70-compound 559270 - Technical Data Sheet

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

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°

6. Advantages

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

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).

