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 Change in Tensile strength Change in allongation	NTF 46004	 -15% -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).

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.