

### EPDM 70-compound 55950 - Technical Data Sheet

#### 1. Introduction

EPDM 70-compound 55950 is a standard Peroxide cured EPDM Terpolymer with good compression resistance. WRC and FDA homologations.

#### 2. Product Description

Chemical Composition :	Ethylene / Propylene / Diene Terpolymer, Peroxide 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 868	70° ± 5° IRHD
Tensile Strength at break	ISO 37	13 MPa
Elongation at break	ISO 37	140%
Specific Weight	ISO 2781	1,12
Compression Set 22h/150°C, on slab	ISO 815	11% max
Heat Ageing 70h/150°C	ASTM D 573	
Hardness Change		+4°
Volume Change		+1,5%
Weight Change		-1,5%
Water 70h/100°C	ISO 1817	
Hardness Change		-1°
Volume Change		+1,5%
Weight Change		1%
Brittleness	ASTM D 746	-50°C

#### 4. Temperature Resistance

- -55° to +150°C
- TR10 (low temp. resistance): -35°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

- For hydroxides, solvents, alcohols, water, steam, several acids, ketones, silicone oils.
- Good ozone resistance.

#### 7. Other Information

- WRC homologation (BS 6920 for water up to 85°C).
- Compliant to FDA 177.2600.
- This compound is ADI (Animal Derived Ingredient Free).

