

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	ISO 815	
22h/150°C, on slab		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 unsatisfactory Hydrocarbons **Ethers** excellent **Esters**

Acids

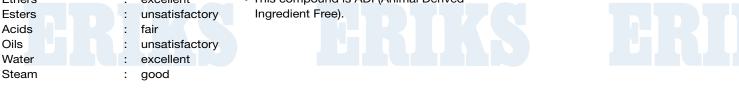
Oils Water excellent

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).



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.