

EPDM 50-compound 55502 - Technical Data Sheet

1. Introduction

EPDM 50-compound 55502 is made of Ethylene and Propylene. Peroxide cured

2. Product Description

Chemical Composition :	Ethylene / Propylene - Peroxide cured
Physical form :	O-Rings / Mouldings
Colour :	Black
Odour :	None
Storage stability * :	± 7 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	50° ± 5° IRHD
Tensile Strength at break	ISO 37	1757 psi
Elongation at break	ISO 37	514%
Specific Weight	ISO 2781	1,029
Compression Set 22h/150°C	ISO 815	13%
Tear Resistance	ISO 34-1	25 KN/m
Modulus at 100%	ISO 37	158 psi
Heat Ageing	ASTM D 865	
Hardness Change		+1%
Tensile Strength Change		0%
Elongation Change		-5%
Water Resistance 70h/100°C	ISO 1817	
Hardness Change		-1%
Tensile Strength Change		+2%
Elongation Change		+3%
Weight Change		+1,8%
Ozone Resistance, 50ppm, 70h/40°C	no crack	pass
Low Temperature Test, 3 min/-55°C	non brittle	pass

4. Temperature Resistance

- 50° to +150°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 water, hydroxides, solvents, alcohols, steam, several acids, ketones.
- Good ozone resistance.

7. Other Information

- Spec ASTM, D2000, M3DA510, A26, B36, C32, EA14, F19, G21.

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.