

## 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
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.