



EPDM 50-compound WEP 4003 - Technical Data Sheet

1. Introduction

EPDM 50-compound WEP 4003 is made of Ethylene and Propylene. Peroxide cured

3. Product Description :

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

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. Chemical Resistance

Air : excellent

Alcohol : excellent

Alkali : excellent

Fats : unsatisfactory

Hydrocarbons : unsatisfactory

Ethers : excellent

Esters : unsatisfactory

Acids : fair

Oils : unsatisfactory

Water : excellent

Steam : good

5. Temperature Resistance

- -50° to +150°C

6. Advantages

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