

EPDM 70-compound WEP 4001 - Technical Data Sheet

1. Introduction

EPDM 70-compound WEP 4001 is an EPDM Terpolymer sulphur cured.

It is the industrial standard EPDM O-Ring compound.

2. Product Description

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

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70 ± 5 IRHD
Tensile Strength at break	ISO 37	min 10 MPa
Elongation at break	ISO 37	min 250%
Specific Weight	ISO 2781	1,13
Compression Set	ISO 815	
25% compression - 22h/100°C		
on slab		max 16%
on O-Ring (3,53 mm)		max 26%
Heat Ageing 70h/100°C	ISO 188	
Hardness Change		max +14°
Volume Change		max -10%
Acetone immersion 46h/23°C		
after drying 22h/100°C	ISO 1817	
Hardness Change		max +6°
Volume Change		max -6%
Weight Change		max -5%

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 +130°C
- TR10 (low temp. resistance): -40°C

6. Advantages

- Very good compression-set
- Stock item for ca 3000 dimensions