



EPDM 70-compound WEP 4004 - Technical Data Sheet

1. Introduction

EPDM 70-compound WEP 4004 FDA is an EPDM Terpolymer Peroxide cured.
In conformity with FDA 177.2600.

2. Product Description

Chemical Composition : Ethylene / Propylene / Diene Terpolymer
Physical form : O-Rings / Mouldings
Colour : Black
Odour : None
Storage stability * : ± 10 years

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70 ± 5 IRHD
Tensile Strength at break	ISO 37	min 18,2 MPa
Elongation at break	ISO 37	min 249%
Specific Weight	ISO 2781	1,13
Compression Set 25% compression - 22h/150°C on slab	ISO 815	max 25%
Heat resistance 7 days/70°C	ISO 188	
Change in Tensile strength		-15%
Change in allongation		-25%



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
up to 150°

4. Temperature Resistance

- -55° to +150°C
- TR10 (low temp. resistance): -45°C

6. Advantages

- Can be produced in small quantities
- Migration tested in compliance with FDA 177.2600 (certificates on demand)

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