



EPDM 70-compound WEP 4005 white - Technical Data Sheet

1. Introduction

EPDM 70-compound WEP 4005 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 :	White
Odour :	None
Storage stability * :	Excellent (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 7,2 MPa
Elongation at break	ISO 37	min 523%
Specific Weight	ISO 2781	1,13
Compression Set 25% compression - 22h/150°C on slab	ISO 815	30%
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°C

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

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