



Genuine Viton® 70-compound WV 1002 FDA white - Technical Data Sheet

1. Introduction

Original Viton® WV 1002-compound is based on a 100% Genuine Viton® polymer. Products out of this compound are being made according to strict guidelines of DuPont Performance Elastomers. This guarantees a constant high quality level. All products carry the specific, easy recognizable emblem on their package. In conformity with FDA 177.2600.

2. Product Description

Chemical Composition : Dipolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals with 66% Fluorine
Physical form : O-Rings / Mouldings
Colour : White
Odour : None
Storage stability * : Excellent

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 7619	70 ± 5 IRHD
Tensile Strength at break	ISO 37	14MPa
Elongation at break	ISO 37	270%
Specific Weight	ISO 2781	2,10 kg/m-3
Compression Set 24h/175°C	ISO 815	9%
Heat Ageing 70h/200°C	ISO 188	
Hardness Change	ISO 7619	+4 Pt
Tensile Strength	ISO 37	3%
Elongation at break	ISO 37	-18%
Liquid Resistance 70h/150°C/ASTM No 3	ISO 1817	
Hardness Change	ISO 7619	0
Tensile Strength	ISO 37	-4%
Elongation at break	ISO 37	0



5. Chemical Resistance

Concentrated acids : excellent
Acetone : bad
Hydroxides : excellent
Benzene : excellent
Crude oil : excellent
Toluene : excellent
Fuel C : excellent
Gasoline : very good
BTM oil 3 : excellent
Methylene chloride : very good
MEK : bad
MTBE : bad
Water < 100°C : very good

4. Temperature Resistance

• -15° to +200°C
• TR10 (low temp. resistance): -16°C

6. Advantages

• Very good compression-set
• Produced in small quantities
• Migration tested in compliance with FDA 177.2600 class 1 (certificate on request)

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