

# Genuine Viton® 75 -compound WV 1001 black - Technical Data Sheet

## 1. Introduction

**Original Viton® WV 1001-compound is based on a 100% Genuine Viton® polymer. Products out of this compound are being made according to strict guidelines of DuPont Dow Elastomers. This guarantees a constant high quality level. All products carry the specific, easy recognizable emblem on their package. WESTERN standard original Viton® compound for O-Rings.**

## 2. Product Description

Chemical Composition :	Copolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals
Physical form :	O-Rings / Mouldings
Colour :	Black
Odour :	None
Solubility :	Low molecular weight esters and ketones
Storage stability * :	Excellent

## 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	75° ± 5° IRHD
Tensile Strength at break	ISO 37	min 13 MPa
Elongation at break	ISO 37	min 170%
Specific Weight	ISO 2781	1,85
Compression Set	ISO 815	
25% compression - 24h/200 °C	ISO 815	
on slab		max 12%
on O-Ring (3,53 mm)		max 18%
Heat Ageing 70h/200 °C	ISO 188	
Hardness Change		max +4°



## 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 : good

## 4. Temperature Resistance

- -20° to +200 °C
- TR10 (low temp. resistance): -16 °C

## 6. Advantages

- Very low compression-set
- Stock item for ca 6000 dimensions
- Labeled with Viton® stickers

**STERN**

**WESTERN**

**WESTERN**

**WESTERN**

**STERN**

**WESTERN**

**WESTERN**

**WESTERN**

**STERN**

**WESTERN**

