

Genuine Viton® B 90-compound 514204 - Technical Data Sheet

1. Introduction

Original Viton® B 514204-compound is an explosive decompression Grade B type fluoroelastomer in compliance with ASTM D 2000 M2HK912 A1-10B37.



2. Product Description

Chemical Composition :	Explosive Decompression Grade B type Fluorocarbon Elastomer
Physical form :	Mouldings / Vulc-O-Rings / O-Rings
Colour :	Black
Odour :	None
Storage stability * :	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	90 ± 5 IRHD
Tensile Strength at break	ISO 37	12,5 MPa
Elongation at break	ISO 37	220%
Specific Weight		1,87
Compression Set		
22h/175°C, on slab	ISO 815	7,0%
Heat Ageing 70h/250°C	ISO 188	
Hardness Change		+2°
Tensile Strength Change		+3 MPa
Elongation Change		- 9%
Immersion in Oil n°3, 70h/150°C	ISO 1817	
Volume Change		+3%
Hardness Change		+2°
Elongation Change		+7%
Tensile Strength Change		-8 MPa

4. Temperature Resistance

- -15° to +200°C
- TR10 (low temp. resistance): -13°C

5. Chemical Resistance

See Dupont Performance website.

6. Advantages

- Excellent resistance to damage caused by explosive decompression in 'down hole' oil field applications.