



Genuine Viton® 75-compound 51414

Introduction

Original Viton® 51414 compound is based on 100% Genuine Viton® Polymer. High performance products of this compound are created according strict guidelines of DuPont Performance Elastomers. This guarantees a constant high quality level. All ERIKS Genuine Viton® products are packed with the recognizable Genuine Viton® Emblem.

Product Description

Chemical Composition	: Copolymer of Hexa-Fluoropropylene and Vinylidene Fluoride, plus cure chemicals
Physical form	: O-Rings / Mouldings
Hardness	: 75° Shore
Colour	: Black.
Odour	: None
Solubility	: Low molecular weight esters and ketones
Storage stability *	: Excellent

* : Following ISO 2230 conditions

Physical Properties

See table 1

Temperature Resistance

-20° to +200 °C

TR10 (low temp. resistance): -16 °C

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

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

Safety and Handling

Read and be guided by the recommendations in the DuPont Dow Elastomers technical bulletin H-71129-02, Handling Precautions for Viton® and Related Chemicals.'

Other Information

Can be formulated to meet FDA 177.2600 compliance, or: Mil-R-83248B and AMS7276D

The information provided in this document is for general information purposes only and does not constitute advice. ERIKS shall not be liable for any damages resulting from the use of this document, including but not limited to damages caused by any incorrectness or incompleteness of the provided information, unless such damage is the result of any willful misconduct or gross negligence on part of ERIKS.

For more information, a quotation or an order please contact one of our specialists on number +31 (072) 514 18 66

ERIKS bv • P.O. box 280 • 1800 BK Alkmaar • phone (072) 514 15 14 • fax (072) 515 56 45 • info@eriks.nl • www.eriks.nl

Tabel 1: 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°

The information provided in this document is for general information purposes only and does not constitute advice. ERIKS shall not be liable for any damages resulting from the use of this document, including but not limited to damages caused by any incorrectness or incompleteness of the provided information, unless such damage is the result of any willful misconduct or gross negligence on part of ERIKS.

For more information, a quotation or an order please contact one of our specialists on number +31 (072) 514 18 66

ERIKS bv • P.O. box 280 • 1800 BK Alkmaar • phone (072) 514 15 14 • fax (072) 515 56 45 • info@eriks.nl • www.eriks.nl