Viton® GF-S 75-compound 514683 black - Technical Data Sheet

1. Introduction

Original Viton® GF 514683-compound is a polymer with 70% Fluorine content.
Cure system is Peroxide.

2. Product Description

Chemical Composition	:	Terpolymer with 70% Fluorine, Peroxide cured
Physical form	:	Mouldings / Vulc-O-Rings
Colour	:	Black
Odour	:	None
Storage stability *	:	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	*Unit*	*Norm ISO*	*Test Values*
Density		ISO 2781	1,89
Hardness Shore A	Point	ISO 7619	75 ± 5 IRHD
Tensile Strength	Mpa	ISO 37	27,6
Ultimate Elongation	%	ISO 37	240
Compression Set 22h/175°C	%	ISO 815	10,2
Retraction Temperature TR10	°C	ASTM D1329	-6
Heat Ageing 70h/200°C		ISO 188	
Hardness Shore A	Point	ISO 7619	74
Tensile Strength	Mpa	ISO 37	29,9
Ultimate Elongation	%	ISO 37	278
Liquid Resistance ASTM 3 70h/150°C		ISO 1817	
Hardness Shore A	Point	ISO 7619	73
Tensile Strength	Mpa	ISO 37	25,6
Ultimate Elongation	%	ISO 37	250
Volume	%		1,5

4. Temperature Resistance

- 10° to +200°C
- TR10 (low temp. resistance): -15°C

5. Advantages

- Excellent resistance to oils, organic fluids (e.g. Gasohol), hot water, steam, inorganic acids and other aqueous media.
- Best chemical resistance of Viton® family.

6. Other Information on Vulc-O-Rings

- Tolerances standard on cross section to ISO 3302.
- Tolerances on O-Ring inside diameter according ISO 3302 up to diam. 160 mm. Bigger diameters tolerances ±0,5%.
- Smooth surface.
- Can be produced to ±0,05 mm tolerance in cross section.

20.04.2009