Genuine Viton® FKM 80 green-compound 51480 - Technical Data Sheet

1. Introduction

Original Viton® FKM 51480-compound is based on a copolymer of Hexa-Fluorpropylene and Vinylidene Fluoride with ca. 66% Fluor. 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.

2. Product Description

Chemical Composition	:	Copolymer Hexa-Fluorpropylene and Vinylidene Fluoride with 66% Fluorine
Physical form	:	Extrusions / Mouldings
Colour	:	Green
Storage stability *	:	Excellent

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	*Norm*	*Test Values*
Hardness	ISO 868	80 ± 5 IRHD
Tensile Strength at break	ISO 37	15,50 MPa
Elongation at break	ISO 37	125%
Specific Weight	ISO 2781	2,09
Compression Set - 70h/200°C	ISO 815	21%
Heat Ageing Hot Air 70h/250°C	ISO 188	
Hardness Change		+3°
Tensile Strenght Change		+8 MPa
Elongation Change		-10%

4. Temperature Resistance

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

5. Chemical Resistance

Organic acids	:	very good
Inorganic acids	:	excellent
Acetone	:	good
Benzene	:	very good
Crude oil	:	excellent
Mineral oil	:	excellent
Toluene	:	very good
Air	:	very good
MEK	:	good
MTBE	:	good
Water < 100°C	:	very good

6. Advantages

- For use with chlorinated solvents, synthetic lubricants, diesel fuel, petroleum oils, most hydrocarbons.