

FKM 75-compound 514322 black - Technical Data Sheet

1. Introduction

FKM fluoroelastomer designed for high demanding sealing applications in aggressive chemicals at low temperature.

2. Product Description

Chemical Composition	: Low temperature fluoroelastomer, 65% fluorine, peroxide cured
Physical form	: O-Rings, cord
Colour	: Black
Odour	: None
Storage stability *	: Excellent

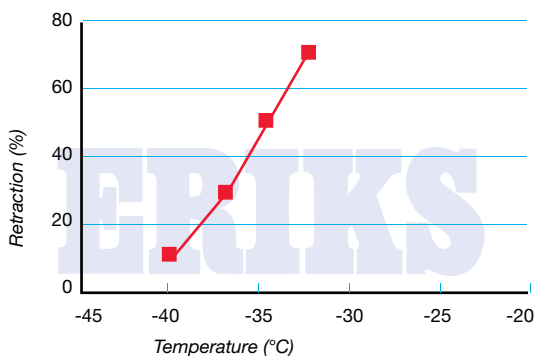
* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	75 ± 5 Shore A
Density	ISO 2781	1,8 g/cm ³
Modulus at 100%	ISO 37	2,4 MPa
Tensile Strength	ISO 37	15,0 MPa
Elongation	ISO 37	min.180%
Compression Set 70h/200°C	ISO 815	<22,5%
Low Temperature Resistance TR10	ASTM D 1329	-40°C
Heat Ageing in air 168h/200°C		
Hardness Change	ISO 188	+3 Shore A
Tensile Strength Change	ISO 188	+10%
Ultimate Elongation Change	ISO 188	-15%
Aging in Fuel C 70h/23°C		
Hardness Change	ASTM D 471	-8 Shore A
Tensile Strength Change	ASTM D 471	-25%
Ultimate Elongation Change	ASTM D 471	-15%
Volume Swell	ASTM D 471	+6,0%

4. Temperature Resistance

- 45 to +200°C



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