

# Material

## 75 FKM FP759412

**Revision Index**  
03

**Revision Date**  
12.04.2024

### General Data

Colour: black  
 Type of cross-linking: Peroxidic

Declaration of Compliance for - Food & Beverage is available upon request for selected articles. Please contact your known sales contact or send an email to [info@fst.com](mailto:info@fst.com).

### Physical Properties

	Nominal Range	Typical Value	
<b>Density</b> ASTM D297	2.1 ±0.03	2.09	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A	75 ±5	77	Shore
<b>Tensile strength</b> ASTM D412		22.4	MPa
<b>Elongation at break</b> ASTM D412		245	%
<b>Low temperature</b> ASTM D1329, TR10		-15	°C
<b>Glass transition temperature</b> ISO 11357-2, DSC		-16.5	°C
<b>Low temperature resistance</b> ASTM D 2137, 3 min		-20	°C
<b>Ozone Resistance</b> ISO 1431-1 A, 23 °C, 72 h, 50 ppm		0	
<b>Compression set</b> ISO 815-1 A, 24 h, 200 °C, 40 %		20	%
<b>Compression set</b> ISO 815-1 B, 22 h, 150 °C		33	%

### Temperature Range

static: -30 to 210 °C  
 static short term: up to 230 °C

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactories process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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