

# Material

## 80 FKM FP80A501

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**Revision Date**  
07.11.2017

### General Data

Colour: black  
 Type of cross-linking: Bisphenol cure system

Physical Properties	Nominal Range	Typical Value	
<b>Density</b> ASTM D297	1.9 ±0.03	1.9	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A	80 ±5	80	Shore
<b>Tensile strength</b> ASTM D412		16	MPa
<b>Elongation at break</b> ASTM D412		195	%
<b>Tear strength</b> ASTM D624, B		35	KN/m
<b>Compression set</b> ASTM D395, B, 22 h, 200 °C		14	%
<b>Compression set</b> ASTM D395, B, 70 h, 200 °C		20	%
<b>Low temperature</b> ASTM D1329, TR10		-17	°C
<b>Low temperature resistance</b> ASTM D746, brittleness point		-17	°C

### Temperature Range

static: -30 to 250 °C  
 static short term: up to 270 °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 manufacturing 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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