

Technical data sheet in accordance with AMS 7257D

## Material 75 FKM V75

black

cross linking: bisphenolically

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D297, 23 °C	1.86 ±0.02	1.86	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A	75 ±5	79	Shore
<b>Tensile strength</b> ASTM D1414	≥ 1400	2140	Psi
<b>Elongation at break</b> ASTM D1414	≥ 125	178	%
<b>Low temperature test</b> ASTM D1329, TR10	≤ 5	1	°F
<b>Compression set</b> ASTM D395, 22 h, 200 °C, 25 %	≤ 15	11	%
<b>Compression set</b> ASTM D395, 336 h, 200 °C, 25 %	≤ 40	40	%

### Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
ADI Free			see certificate	see DoC
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

### Change after aging in Air: 70h/270°C

#### Typ. values

Base value After aging difference

Hardness (ASTM D2240, Shore A)	Shore	
Tensile strength (ASTM D1414)	%	
Elongation at break (ASTM D1414)	%	%
weight change	%	

### Freudenberg

Freudenberg FST GmbH  
Technology&Innovation  
Material Compliance

Telefon: -  
Fax: -  
Email: MaterialCompliance@fst.com



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#### Change after aging in AMS 3023: 70h/200°C

Hardness (ASTM D2240, Shore A)  
Tensile strength (ASTM D1414)  
Elongation at break (ASTM D1414)  
volume change (ASTM D471)  
Compression set (ASTM D395, 70 h, 200 °C, 25 %)

Shore

%

%

%

%

#### Typ. values

Base value After aging difference

%

#### Change after aging in Fuel B: 70h/23°C

Hardness (ASTM D2240, Shore A)  
Tensile strength (ASTM D1414)  
Elongation at break (ASTM D1414)  
volume change (ASTM D471)

Shore

%

%

%

#### Typ. values

Base value After aging difference

%

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### **No ASTM D2000 properties available**

AMS - 7276 (MIL - R - 83248 Type I Class 1)

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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Technology&Innovation  
Material Compliance

Telefon: -  
Fax: -  
Email: [MaterialCompliance@fst.com](mailto:MaterialCompliance@fst.com)

