

# Material

## 80 AU 941

beige

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### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.13 ±0.02	1.13	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	84 ±5	85	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	> 4.5	6.5	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 40	56	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	> 500	576	%
<b>Tear strength</b> DIN ISO 34-1, B (b), 23 °C	---	42	KN/m
<b>Compression set</b> DIN ISO 815, 24 h, 70 °C, 15 %	---	28	%
<b>Compression set</b> DIN ISO 815, 24 h, 100 °C, 15 %	---	46	%
<b>Low Temperature</b> ISO 11357-2, DSC	---	-53	°C
<b>Torsions pendulum test</b> DIN EN ISO 6721-2A	---	-43	°C
<b>Temperature range</b>	-50°C to 90°C		

### 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
Conflict Mineral Free		see certificate	see DoC
Info ROHS and ELV		EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

### Freudenberg

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**No ASTM D2000 properties available**

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.

**Freudenberg**Freudenberg FST GmbH  
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