

# Material PA 4112

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## Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	---	1.40	g/cm <sup>3</sup>
<b>Tensile modulus</b> DIN EN ISO 527-1/-2	---	11500	MPa
<b>stress at break</b> DIN EN ISO 527-1/-2	---	210	MPa
<b>Elongation at break</b> DIN EN ISO 527-1/-2	---	3	%
<b>Flexural strength</b> ISO 178	---	300	MPa
<b>Temperature range</b>	to 135°C		

## Declarations of conformity

	Country	Part	Remark	Expires	unlimited
Conflict Mineral Free			see certificate		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

## 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.

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