

Technical data sheet in accordance with ASTM

# Material PTFE T591Q

white

VIRGIN (UNFILLED)

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Physical properties	nominal range	typical values	
<b>Density</b> ASTM D792, 20 °C	---	2.18	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore D, 15 seconds	---	59	Shore
<b>Tensile strength</b> ASTM D 638, ASTM D1708, speed 0,8 mm/s	---	29	MPa
<b>Elongation at break</b> ASTM D 638, ASTM D1708, Speed 0,8 mm/s	---	320	%
<b>Compressive Strength</b> ASTM D695, 1% Deformation	---	4.5	MPa
<b>Temperature range</b>	-196°C to 250°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 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. 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

Technology&Innovation

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