

Material PA6G 38072

revision index	revision date	page	1 / 2
2	7/7/2020		

Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	1.15 ±0.02	1.15	g/cm ³
Tensile strength DIN EN ISO 527, 23 °C	70 - 90	---	MPa
Elongation at break DIN ISO 527, 23 °C	20 - 60	---	%
Tensile modulus DIN EN ISO 527, 23 °C	3000 - 4000	---	MPa
Notch impact strength	3500 - 6500	---	J/m ²
Melting point	220 - 235	---	°C
Temperature range	-40°C to 120°C	short term: 180°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
(EG) 10/2011	EU		food	see DoC
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)	see DoC
FDA	USA	Seals	§ 177.1500	see DoC

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

Material PA6G 38072

revision index
2

revision date
7/7/2020

page 2 / 2

No ASTM D2000 properties available

Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.

The material is only suitable for short-term contact of max. 5 min at 40°C temperature for foods covered by simulants A, B, D2 according to EU 10/2011.

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
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com