Technical data sheet in accordance with ASTM

Material
PTFE F53722

white-opaque

PTFE- glass fibre compound (25%)

revision index	revision date		
1	5/17/2016	**page**	1 / 2

Physical properties	nominal range	typical values	
Density ASTM D 792, 23 °C	2.23 ±0.04	2.22	g/cm³
Hardness ASTM D 2240 Typ D, Shore D, 23 °C, cylinder diameter 50x50 mm, after 3 s	58 - 63	60	Shore
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	40 ±2.5	40.75	MPa
Tensile strength ASTM D 638, FD-105, 23 °C, UR	> 11	16.1	MPa
Elongation at break ASTM D 638, FD-105, 23 °C, UR	> 160	356	%
Deformation under load accordance with ASTM D 621, 23 °C, 24 h, 15 N/mm², PR	---	11.63	%
Permanent deformation accordance with ASTM D 621, 23 °C, PR	---	6.18	%
Temperature range	-150°C to 260°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	§ 177.1550	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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1	5/17/2016	**page**	2 / 2

No ASTM D2000 properties available

This material is characterized by good compressive strength and excellent wear and frictional properties.

Recommended application:

flat gaskets, piston rings, bearing and chemical resistant valve seals

The given values are based on a limited number of tests on standard test pieces produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactories 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 provisons do not plan for something else.

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