

Technical data sheet in accordance with ASTM

# Material

## POM PO005501

black

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Physical properties	nominal range	typical values	
<b>Density</b> ASTM D792	1.41 +0.02/-0.03	1.41	g/cm <sup>3</sup>
<b>Tensile strength</b> ASTM D638	---	65	MPa
<b>Elongation at break</b> ASTM D638	---	45	%
<b>Flexural modulus</b> ASTM D790	---	2700	MPa
<b>Flexural strength</b> ASTM D790	---	97	MPa
<b>Melting point</b>	---	166	°C
<b>Notch impact strength</b> 23 °C	---	55	J/m <sup>2</sup>
<b>Melting index</b> ASTM D1238	> 27	---	g/10'
<b>Heat Deflection Temperature</b> ASTM D648, HDT/A 1,82 Mpa	---	110	°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
Info ROHS and ELV		EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC
PFOA / PFOS free		see certificate	see DoC

### Freudenberg

Freudenberg Industrial Services GmbH  
 Global Material Technology  
 Nadja Güldner  
 Telefon: -  
 Fax: -  
 Email: FIS.Compound.CRC@fst.com

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### **No ASTM D2000 properties available**

Hardness: ASTM D 785 M scale 80 Rockwell  
Flammability UL 94 HB pass

The given values are based on a limited number of tests on standard test pieces (2mm sheets). 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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Freudenberg Industrial Services GmbH  
Global Material Technology  
Nadja Güldner  
Telefon: -  
Fax: -  
Email: FIS.Compound.CRC@fst.com