DICHTOMATIK

FREUDENBERG
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Technical data sheet in accordance with ASTM

Material
POM PO005501
black

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Physical properties	nominal range	typical values	
Density ASTM D792	1.41 +0.02/-0.03	1.41	g/cm³
Tensile strength ASTM D638	---	65	MPa
Elongation at break ASTM D638	---	45	%
Flexural modulus ASTM D790	---	2700	MPa
Flexural strength ASTM D790	---	97	MPa
Melting point	---	166	°C
Notch impact strength 23 °C	---	55	J/m²
Melting index ASTM D1238	> 27	---	g/10'
Heat Deflection Temperature 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

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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 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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