DICHTOMATIK

FREUDENBERG
INNOVATING TOGETHER

Material
80 FKM B1OR81FK
black

cross linking: bisphenolically

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Physical properties	nominal range	typical values	
Hardness DIN ISO 7619-1, Shore A	80 ±5	---	Shore
Tensile strength ISO 37	> 10	---	MPa
Elongation at break ISO 37	> 125	---	%
Low temperature test ISO 2921, TR10	< -12	---	°C
Compression set DIN ISO 815, Slab B, 72 h, 175 °C	< 25	---	%

Temperature range -15°C to 200°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
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)	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

The nominal ranges listed in this document are based on the ISO 3601-5 Standard (Fluid power systems - O-rings - Specification of elastomeric materials for industrial applications). 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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Nadja Güldner
Telefon: -
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