

Material

80 NBR B281

black

revision index

3

revision date

6/13/2013

page

1 / 3

Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	---	1.22	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	---	79	Shore
Hardness DIN ISO 7619-1, IRHD, 23 °C	---	83	Shore
Tensile strength DIN 53504, S2, 23 °C	---	24	MPa
Elongation at break DIN 53504, S2, 23 °C	---	234	%
Modulus 100 %, DIN 53504, S2, 23 °C	---	7.8	MPa
Tear strength DIN 53507, A, 23 °C	---	19	KN/m
Compression set DIN ISO 815, Slab B, 24 h, 70 °C, 25 %	---	12	%
Compression set DIN ISO 815, Slab B, 24 h, 70 °C, 25 %	---	28	%
Compression set ASTM-D 395, Slab B, 24 h, 70 °C, 25 %	---	12	%
Compression set ASTM-D 395, Slab B, 70 h, 100 °C, 25 %	---	28	%
Low Temperature DIN 53765, DSC	---	-15	°C
Low Temperature resistance DIN 53546, Brittleness	---	-40	°C
Temperature range	-30°C to 100°C		
Declarations of conformity			
No data found!			

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

Material
80 NBR B281

black

revision index

3

revision date

6/13/2013

page

2 / 3

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

Material

80 NBR B281

black

revision index

3

revision date

6/13/2013

page 3 / 3

No ASTM D2000 properties available

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 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 provisions do not plan for something else.

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com