DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
80 NBR NB801601

Revision Index	Revision Date
01	07.11.2017

General Data

Colour:	black
Type of cross-linking:	Sulfur

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D792	1.26 ±0.02	1.26	g/cm³
Hardness ASTM D2240, Shore A	80 ±5	80	Shore
Tensile strength ASTM D412		14.5	MPa
Elongation at break ASTM D412		255	%
Tear strength ASTM D624, B		48	KN/m
Low temperature resistance ASTM D 2137, Brittle point		-30	°C
Low temperature ASTM D1329, TR10		-29	°C
Low temperature ASTM D1329, TR30		-24	°C
Low temperature ASTM D1329, TR50		-19	°C
Glass transition temperature ASTM D3418, DSC		-30	°C
Ozone Resistance ASTM D 1149, 40 °C, 24 h, 50 pphm, 20% Elongation / Dehnung		0	
Compression set ASTM D395, B, 22 h, 100 °C		7	%
Compression set ASTM D395, B, 70 h, 100 °C		11	%

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.

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