

Material

80 NBR B246

Revision Index
 04

Revision Date
 19.10.2016

General Data

 Colour: black
 Type of cross-linking: Sulfur

Physical Properties

	Nominal Range	Typical Value
Density DIN EN ISO 1183-1, 23 °C	1.22	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	79	Shore
Micro hardness DIN ISO 48, Verfahren M	81	IRHD
Modulus 100 %, DIN 53504, S2, 23 °C	7.1	MPa
Modulus 100 %, DIN 53504, R1, 23 °C		MPa
Tensile strength DIN 53504, S2, 23 °C	13	MPa
Tensile strength DIN 53504, R1, 23 °C		MPa
Elongation at break DIN 53504, S2, 23 °C	250	%
Elongation at break DIN 53504, R1, 23 °C		%
Tear strength DIN ISO 34-1, B, 23 °C	13	KN/m
Compression set DIN ISO 815, B, 24 h, 70 °C, 25 %	10	%
Compression set DIN ISO 815, B, 70 h, 100 °C, 25 %	17	%
Glass transition temperature ISO 11357-2, DSC	-20	°C

Temperature Range

static: -30 to 100 °C

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 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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