Material
85 NBR B247

Version	Released on
05	04.05.2021

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 - 1.26	1.24	g/cm³
Hardness DIN ISO 7619-1, Shore A, 23 °C	82 - 88	85	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	12 - 15	13.5	MPa
Tensile strength DIN 53504, S2, 23 °C	17.8 - 26	21.9	MPa
Elongation at break DIN 53504, S2, 23 °C	125 - 200	160	%
Tear strength DIN ISO 34-1, B, 23 °C		17	KN/m
Compression set DIN ISO 815, B, 24 h, 70 °C, 25 %	6 - 9	10	%
Compression set DIN ISO 815, B, 70 h, 100 °C, 25 %	13 - 20	22	%
Glass transition temperature DIN 53545, TR		-12	°C
Low temperature resistance DIN 53546, Brittleness		-30	°C
Glass transition temperature ISO 11357-2, DSC		-20	°C

This data sheet supersedes all previous versions. The content is subject to change without prior notice. 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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