

Sponge rubber material data sheet

B 50 – medium, RGK 160



Technical data:

Quality	B 50 – medium, RGK 160
Elastomer basis	NR
Hardness	soft
Delivery form	Sheets and manufactures parts
Max. standard dimensions of sheets	2100 +0/-75 x 920 +0/-35 mm (G1)
Cell structure	medium pore
Colour	orange
Compressive strength	approx. 4.8 kPa
Tensile strength	approx. 0.23 N / mm ²
Elongation at break	approx. 480 %
Continued tensile strength	approx. 1.2 N / mm
Abrasion resistance	good
Heat resistance	up to 60 – 70 °C
Cold resistance at – 40 °C	requirements fulfilled
Water absorption	approx. 484 weight %
Ozone resistance	not resistant
Flammability	highly flammable, burns with sooting
Stability	not resistant towards acids, alkalis, oils and fats and solvents. In doubt contact with manufacturing works is necessary.

The tests of compressive strength and compression set as well as the tension test give some information about the resistance of the quality.

We reserve the right to certain variations in respect of porosity, pore type, colour and plasticity as well as to changes which arise on the basis of production processes.

Environmental information:

Our sponge rubber materials do not contain ASBESTOS, FCCH, FORMALDEHYDE or heavy metals. Only raw materials common to the rubber industry are used in the production of the mixtures.

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information is non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

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