Cellular rubber material data sheet
ZK NR green

Product description:
A green, closed, fine cellular rubber produced from natural rubber. Different levels of hardness give different areas of application and abrasion resistance values.
Many different shapes can be produced from the raw material, e.g. square sections, punched parts, seals, shaped parts.

Technical data:

Cellular rubber quality	**ZK NR green**	
Raw material basis	NR / SBR	
Cell structure	closed	
Density	180 ± 25 kg / m^3	according to DIN 53 420
Shore hardness 00	45 ± 20	
Compression strength at 25 % deformation	35 – 63 kPa	according to DIN 53 577
Water uptake	ca. 5 %	according to ASTM 1056
Compression set 50 % - 72 h at 23 °C	55 ± 15 %	according to DIN 53 572
Compression set 50 % - 24 h at 23 °C, 24 h reset	15 – 25 %	according to ASTM 1056
Temperature stability	+ 80 °C	
Low temperature flexibility	- 40 °C	
Flammability	Rate of combustion 150 mm / min.	according to ISO 3795

Storage:
Do not store at high temperatures and/or high atmospheric humidity! Process material immediately since natural shrinkage occurs. Shrinkage is a natural phenomenon of the material and cannot therefore be avoided. We can accept neither claim nor return in cases of shrinkage.

Information:
We reserve the right to certain variations in respect of pore size, pore type, colour and plasticity as well as to changes which arise on the basis of new chemical and technical knowledge. All information is based upon tests carried out with considerable care. However, no guarantee can be accepted for agreement with results arising from use since from experience the effect of factors unknown to us which can affect the properties and life-time of the material must be taken into account during different conditions of use.

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, 2025. Please request the latest version after Jan. 01, 2026.

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