Cellular rubber material data sheet
ZK XVA 45 green

Product description:
ZK XVA 45 green is made from high grade ethylene-vinyl-acetate (EVA) copolymers with a density of around 45 kg / m³.
A large variety of shapes can be produced from this raw material, e.g. square cuts, stampings, seals and mouldings.

Technical data:

Cellular rubber quality	**ZK XVA 45 green**	
Density	45 ± 6 kg / m^3	SO 845
Colour	green	
Tensile strength	> 215 kPa	ISO 1798
Ultimate elongation	> 210 %	ISO 1798
Compressive strength		ISO 3386 / 1
deflection 10 %	> 17 kPa	
deflection 25 %	> 35 kPa	
deflection 50 %	> 80 kPa	
Compression set	23 °C, 22 h charge, deflection 25 %	ISO 1856
½ h after discharge	≤ 17 %	
24 h after discharge	≤ 6 %	
Thermal conductivity		DIN 52 612
at 10 °C	0.039 W / (m·K)	
at 40 °C	0.041 W / (m·K)	
Working temperature range	- 40 to + 60 °C	ISO 2796
Dimensional stability	< 5 %	ISO 2796
Water absorption (28 days)	≤ 2.6 vol.-%	DIN 53 428
Specific volume resistancey	≥ 10^{15} Ωcm	DIN 60 093
Shore Hardness 00	> 30	ISO 1663
Horizontal burn rate	< 100 mm / min.	FMVSS 302

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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