

Type	FMS 0.250	FMS 0.150	FMS 0.050
Old 12NC	432701800521	432701800531	432701800541
Part number	UO325030052100000K	UO315030053100000K	UO305030054100000K
Chemical composition:			
%	71,0 ± 3,0		
- Fe ₂ O ₃ %	20,7 ± 2,0		
- MnO %	8,3 ± 2,0		
- ZnO			
Bulk density g/ccm	2,3 ± 0,3	2,1 ± 0,3	1,9 ± 0,3
Tap density g/ccm	3,3 ± 0,3	3,1 ± 0,3	3,1 ± 0,3
Moisture %	≤ 0,5	≤ 0,5	≤ 0,5
Particle size μm	8 - 12	2 - 7	≤ 6
d10			
Particle size μm	80 - 120	10 - 60	≤ 20
d50			
Particle size μm	250 - 300	150 - 200	≤ 60
d90			

Chemical composition and powder properties determined from milled ferrite powder. Packing and storage according to customer requirements.

All products are **RoHS compatible** according to Directive "2002/95/EC" of the European Parliament from 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and related commission decisions (2005/618/EC \ 2005/717/EC \ 2005/747/EC \ 2006/310/EC).

REACH statement: FERROXCUBE follows the guidelines provided by the Federation of Electronic Components and Systems of ZVEI for producers of passive components for evaluating ceramic substances and articles under REACH. All chemical substances necessary for the fabrication of ferrites will be registered according to the REACH regulation. FERROXCUBE will comply with all REACH obligations concerning the transfer of information along the supply chain. For that purpose, a designated contact is provided. Please feel free to address your questions related to the impact of REACH on FERROXCUBE's products to your local sales contact or to reach@ferroxcube.com.

FMS is a Ferroxcube product used for cable shielding and other applications. It is made from sintered ferrite material by selective milling and sieving to a defined shape and size distribution. For this product, the functionality is determined by its shape rather than by the chemical composition.

In conformance with the definition given in REACH Article 3 (3), shaped ferrite products have to be classified as articles, and therefore are not subject to registration. All chemical substances necessary for the fabrication of ferrites have been registered according to the REACH regulation.

Remarks: Traces are product compounds below 0.1 weight %. An overview of legal restrictions for traces is issued by the EICTA organisation as the "C4E list". Ferrites may contain the following elements in traces: cobalt, nickel, barium, copper, silicon, phosphor, vanadium, aluminum, potassium. Neither lead nor cadmium nor mercury or its compounds nor hexavalent chromium is added to the product. Exact compositions are treated as company property and therefore kept confidential.

Information given in this material data sheet is based on present knowledge. Ferrite products used in its aimed application do not bear risks to human beings and the environment.

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