

RAW MATERIAL DATA SHEET

ACTIVATED ALUMINA

AL- MK8 IS AN ACTIVATED ALUMINA IMPREGNATED WITH A MIXTURE OF SPECIFIC CHEMICALS AND KMnO₄. THE SPECIFIC MANUFACTURING PROCESS ALLOWS TO OBTAIN GRANULES OF SPHERICAL FORM HIGHLY POROUS, WHICH ENSURE A VERY HIGH CONTACT SURFACE, CHEMICALLY ACTIVE, PER UNIT WEIGHT. THIS IS SPECIFICALLY FORMULATED FOR REMOVAL OF H₂S FROM GAS STREAMS, SO₂, NO_x, FORMALDEHYDE, ETHYLENE, ACID GASES, LIGHT HYDROCARBONS AND VOLATILE ORGANIC SUBSTANCES. WHEN THE GRAINS OF ALUMINA ARE EXHAUSTED, THEY CHANGE COLOR FROM DEEP PURPLE TO GRAY. THE COMPOUNDS REMOVED BY THIS MATERIAL ARE OXIDIZED IRREVERSIBLY TO STABLE FORMS THAT REMAIN TRAPPED IN THE POROUS STRUCTURE AND ARE DESORBED AND RELEASED INTO THE ENVIRONMENT. CLASSIFIED UL CLASS 1: DOES NOT SUPPORT COMBUSTION, AND THE GROWTH OF MUSHROOMS, MOLDS AND BACTERIA.

PARAMETER	METHOD	UNIT	TYPICAL VALUES
SIZE	ASTM 3862	MESH	4 - 8
AVERAGE DIAMETER		MM.	3,8
BULK DENSITY	ASTM D2854	KG/M ³	800
COLOUR			BRIGHT PURPLE
HARDNESS	ASTM D3802		≥ 80
MOISTURE AT PACKAGING	ASTM D2867	% BY WEIGHT	≤ 20
CAPACITY H ₂ S	ASTMD6646	G/CM ³	≥ 0,12
CONTENT KMnO ₄	AT001	% BY WEIGHT	8

THIS INFORMATION HAS BEEN GATHERED FROM STANDARD REFERENCE MATERIALS THAT IS ASSUMED TO BE ACCURATED AND RELIABLE. COMELT S.P.A. DOES NOT ASSUME ANY LIABILITY AND RISK THAT MAY ARISE FROM THE USE OF THIS PRODUCT, INCLUDED BUT NOT LIMITED TO FITNESS FOR A PARTICULAR PURPOSE OR APPLICATION.

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