

TECHNICAL DATA SHEET

Bleaching Earth

MADUR® 2120

PRODUCT DETAIL

MADUR® 2120, acid activated bleaching and clarifying adsorbent blended with Activated Carbon. It has unique adsorption and filtration characteristics.

MADUR® 2120 is a fine, dark grey powder showing a highly porous inner structure.

MADUR® 2120 has a very efficient PAH (polycyclic hydrocarbons) removal and metal adsorption (P, Ca, Fe, Mg, Ni etc.) capacity. It is excellent for removal of Peroxides, Carotenoids, Chlorophyll, Soap and Phospholipids.

MADUR® 2120 shows excellent refining results on most types of oils and fats which are difficult to bleach. It has excellent performance on rapeseed, husk, cottonseed oil, palm and palm kernel oil

PHYSICAL / CHEMICAL CHARACTERISTICS (TYPICAL PRODUCT DATA)

Bulk density	g/l	500-600
Free moisture (2 h, 110 °C)	%	max 20
Loss on ignition (predried, 2 h, 1.000 °C)	%	8
pH (10% suspension, filtered)	-	3-4,5
Surface area (B.E.T.)	m ² /g	190-230

PARTICLE SIZE DISTRIBUTION (PSD) ANALYSES

The particle size distribution of MADUR® 2120 is characterized by a sieve analysis of the dry powder. The following average values have been determined for the various sieve fractions:

> 150 µm	%	5-15
> 100 µm	%	10-20
> 63 µm	%	25-45
> 45 µm	%	40-50
> 25 µm	%	45-65

CHEMICAL ANALYSIS

MADUR® 2120 (dried at 110°C for 2 hours) has the following chemical composition (average values):

SiO ₂	%	73,1
MgO	%	1,9
K ₂ O	%	0,9
Al ₂ O ₃	%	9,4
Fe ₂ O ₃	%	2,7
CaO	%	2,1
Na ₂ O	%	0,4
Loss on ignition	%	7,9
Total	%	98,4

All data outlined above represent typical values for this product. They are not designed to convey absolute product specifications. The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. NB Global Madencilik ve Kimya San. Tic. A.S. makes no warranty, express or implied, with respect to the product and assumes no responsibility for any risk or liability arising from the use of this product information.

Detailed information concerning application and handling can be taken from our material safety data sheet of MADUR® 2120.