

BF 1

Natural moulding sand

Our **Natural moulding sand „BF 1“** is excavated around Bottrop and it is characterized by its fine granularity and its clay content.

Application:

Natural moulding sand „BF 1“ is used to produce moulds with very fine and smooth surfaces.

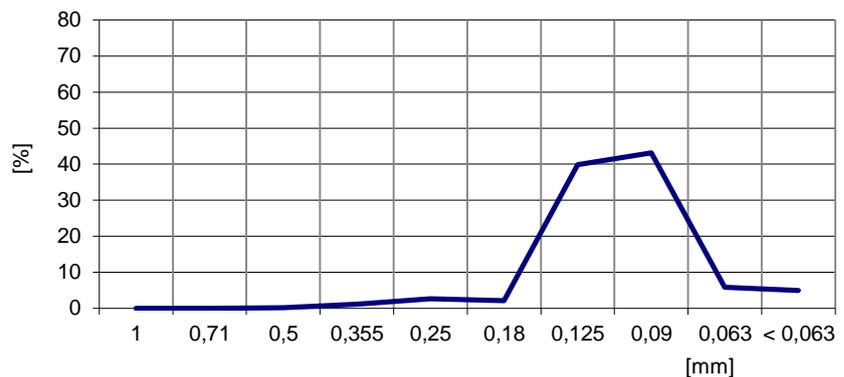
Properties:

Natural moulding sand „BF 1“ is packed pit-wet as excavated. Since it is an untreated natural product, it can have accumulations of clay and coarse grain, which can be sorted out during the application. It is recommended to prepare and homogenise the sand via a mixing machine or a sand disintegrator. The natural moulding sand should be sieved at least.

Product data:

Sieve analysis - typical:

mm	approx. %
1,0	0,0
0,71	0,0
0,50	0,2
0,355	1,2
0,25	2,7
0,18	2,1
0,125	39,9
0,09	43,2
0,063	5,8
< 0,063	4,9



Chemical analysis - typical: [%]

SiO ₂	87,0
Al ₂ O ₃	6,1
Fe ₂ O ₃	2,1
K ₂ O	1,7
CaO	0,3
MgO	0,6
TiO ₂	0,3

clay content < 0,02 mm
average grainz size
grain fineness AFS

12 – 17 %
0,14 mm
100

Handling:

Dust the pitch and the model with parting powder, sift the moulding sand, compact the mould, define air extractions and pour the casting metal into the mould.

Packaging:

lattice box pallets with approx. 1,0 to
in bulk

All data are guide values with occurrence and production-related tolerance. They are only to describe and does not constitute guaranteed properties. Coarser and finer proportions are possible in trace amounts. It is in the users responsibility to check the suitability for its intended use. We provide on request information about technical experience. The recommendations are given to the best knowledge and careful consideration. We guarantee the faultless and consistent quality of our products, however, are not liable for further processing results, which are generally beyond our control. Safety Data Sheets are available and can be requested from KBO.

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