

BENTOPRO-A

DESCRIPTION

BENTOPRO-A is a high performance bentonite binder for preparation of sand mould for casting iron (grey, ductile, vermicular iron), steel and some non-ferrous metals.

BENTOPRO-A is produced by careful activation of bentonite containing active mineral montmorillonite in the percentage of 80-90%, which is then processed through optimal drying and micronization process into a fine powder of uniform granulation.

APPLICATION

It can be used with different technologies for preparation of sand mould, including the highly automated production lines. Some of the expected effects of BENTOPRO-A application are:

- Improved casting surface
- High dimensional precision
- Decreased level of casting defects and scrap rates
- Improved cost-effectiveness of casting process

Parameter	Unit	Value
Moisture	%	8 - 12
Montmorillonite	%	80 - 90
Swelling (2g/100 ml)	ml	25 - 32
Dry sieve analysis on 0,063 mm	%	< 30
Molding properties are tested on mold mixture: bentonite 7% and water 4% mixed with silica sand of average grain size of 0,26mm.		
Green Compression Strength	kPa	70 - 90
Wet Tensile Strength	kPa	3,5 - 4,4
Bulk density	t/m ³	0,84 - 0,88

PACKAGING

- 25 kg (paper bags on a pallet 1.000 kg, protected with plastic foil)
- 1 ton (big bags)
- In bulk

STORAGE AND SHELF LIFE

To be stored in original packaging in dry place.
Shelf life: 2 years.

QUALITY CONTROL

Bentoproduct Ltd. operates in accordance with the Integrated Management System which encompasses ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. Certified by TÜV.




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NOTE: All information provided by this technical data sheet is accurate according to the knowledge of Bentoproduct Ltd. and as such, has been used for the best purpose. The indicated technical parameters are approximate values obtained through tests performed by Bentoproduct's laboratory and/or external laboratories and testing institutes. Bentoproduct Ltd. is committed to the continuous development and improvement of its products, which implies that some product characteristics may be altered with no prior notice.