



Glass BioMedia

PRODUCT DESCRIPTION

Glass -media is an eco sustainable recycled product made by heating and calcining pure-glass scraps. There are two types of glass media like floating glass media which will be helping to clean the top parts and sinking glass bio-media will be helping to clean the deeper parts in the particular space. It is clearly shown it's advantage by cleaning top and bottom simultaneously.



Floating glass media



Sinking glass media

PROPERTIES OF GLASS BIO-MEDIA

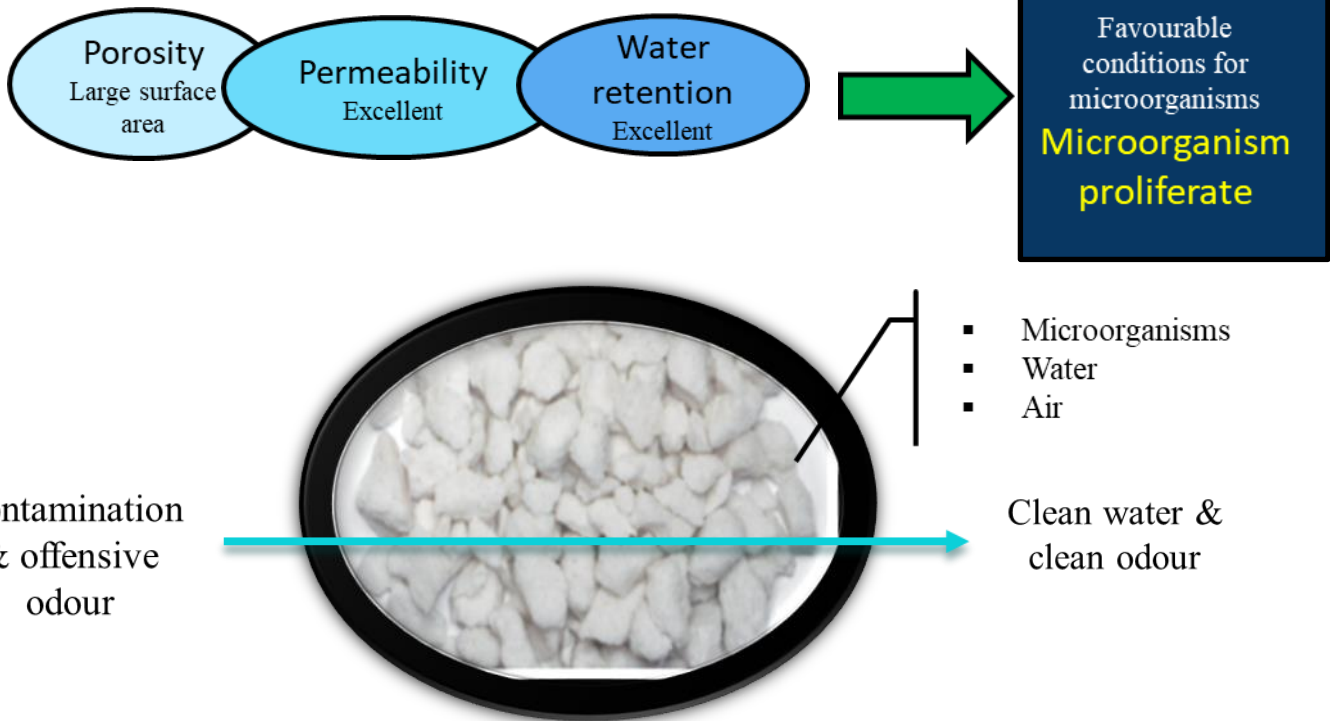
Density	0.4 ~ 1.6
Water absorption rate	3% ~ 60%
Compressive load	~ 1,980N

PRODUCT CHARACTERISTICS

- The porous structure is ideal as a microorganism carrier.
- Density and strength can be variably controlled.
- Good water retention.
- Excellent air and water permeability.
- Light-shielding property and good thermal insulation.
- Additional glass media treatment allows the material to absorb negative ions such as ions of fluorine and phosphate.



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The figure above shows the simple and clear explanation on the glass bio-media working process.

MAIN APPLICATION USES

- Manufacturing plants and industrial waste treatment plants.
- Wastewater purification from animal and fish farms, factory production and aquariums, and river and lake purification.

POTENTIAL USES

- Lightweight landfill, road subgrade material.
- Soil improvement material, artificial soil, mitigation of heat island effect, fillings in rainwater retention facilities.
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ENVIRONMENTAL CONDITIONS DUE TO ADDING GLASS MEDIA MICROORGANISMS

- Microorganism Carrier.
- Maintaining a suitable environment.