



www.glassfillers.com
**RECYCLED GLASS POWDERS
FOR INDUSTRY**

VitroBloc

Technical Data

Description

VitroBloc Glass Powders are made from post-industrial sources of reinforcement fiberglass by-products. VitroBloc feedstocks are pure glass, free of crystalline silica or other impurities. The VitroBloc grades are white powders finer than 40 microns top size with a very low level of minus 5 micron fines. The product is designed for excellent blocking and clarity properties utilizing a recycled powder.

Typical Chemical Analysis

VitroBloc Glass Powders are amorphous (non-crystalline) and have total alkali content ($\text{Na}_2\text{O} + \text{K}_2\text{O}$) less than 1.5%. The feedstock is certified post-industrial, and is free from contaminants associated with post-consumer curbside glass.

SiO_2	50-55%	Na_2O	0.5-1.2%
Al_2O_3	14-20%	K_2O	0.1-0.2%
Fe_2O_3	<1%	MgO	<1%
CaO	20-25%	TiO_2	<1%
B_2O_3	0-6%	LOI	<0.5%

These oxides are combined in amorphous state in a calcium alumino silicate glass.



For more information on our
Green Additives go to
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Particle Size/Property Analysis (Typical)

	VitroBloc 400	VitroBloc 7	Test Procedure
Specific Gravity	2.6	2.6	
Bulk Density, lb/ft ³	45	45	
% passing 325 mesh	99.9	99.9	
Hegman value	4	2	ASTM D-1210-79
Surface area, m ² /g	2.1	2.1	Nitrogen BET
Oil absorption	22	23	ASTM D-281
PH	9.4	9.4	AFS 113-87-S
Hardness – Mohs	5.5	5.5	Moh's Scale
Refractive Index	1.56	1.56	ASTM D-801
Free moisture, %	0.3	0.3	ASTM C-566
Brightness	81	86	Tappi
L	91.5	94.3	
A	-0.13	-0.22	
B	1.3	2.2	
Specific Resistance	3500 ohm-cm	3500 ohm-cm	ASTM D-2448

Product Information/Customer Service

Phone: 678-990-5652 Fax: 770-464-2580
Email: technicalsales@vitrominerals.com

Standard Package: 50-lb. bags, 2,800 lbs./pallet, 40 x 48 pallet, shrinkwrapped. Product also available in supersacks in weight ranges 2,000 – 3,000 lbs.

FOB plants in South Carolina (VitroBloc 7) and Tennessee (VitroBloc 400)

Disclaimer: The statements in this bulletin are based on data which is believed to be reliable, and is offered in good faith to be applied accordingly to the user's best judgment. Since operating conditions at customer's sites are beyond our control, Vitro Minerals will not assume responsibility for the accuracy of this data, or liability which may result from the use of its products. Likewise, no patent liability is assumed for use of Vitro Mineral products in any manner which could or would infringe on patent rights of others.

Health Hazard Warning: Prolonged inhalation of dust associated with the materials described in this data sheet can cause delayed lung injury. Avoid creating dust when handling, using or storing. Follow OSHA Safety and Health Standards for fugitive dust. Current Material Safety Data Sheet containing safety information is available and should be consulted before usage.

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