
Specification of the AGR M100 Preparation – Glass Powder

Product Description::

Glass powder is produced from high-quality, colorless, and odorless float glass. Therefore, it is free from impurities and is not classified as a hazardous material. Glass powder is considered as solid waste for which no special disposal methods are required. The preparation does not contain dangerous substances in concentrations higher than the permissible limits. The product consists entirely of soda-lime glass with an oxide composition:

Chemical Specification:

SiO ₂	70 – 73%
Al ₂ O ₃	0,5 – 2%
CaO	7 – 11%
MgO	3 – 5%
Na ₂ O + K ₂ O	13 – 15%
TiO ₂	Max. 0,1%

Grain Size:

Test Sieve (µm)	Sieve Residue:
1400	0%
1000	0 – 0,2%
430	0 – 2%
150	0 – 8%
100	0 – 15%
63	5 – 40%
<63	60 – 90%

Features:

Form	Solid – Glass Powder
Color	colorless
Specific Density	approx. 2.50 g/cm ³
Hardness according to Mohs	6
Softening Temperature	approx. 750°C
Water Solubility	Product is insoluble
Flash Point, Self-ignition	Product is non-flammable