

MAIN USE
SURFACE TREATMENT BY IMPACT

TYPE OF PRODUCT
GLASS MICROBEADS

MasterBlast®

.. TECHNICAL CHARACTERISTICS OF GLASS BEADS

1) Granulometry

Standard name	Particle size distribution Norm: passing		
425 - 850	1000 850 425	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
300 - 400	500 425 250	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
200 - 300	355 300 180	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
150 - 250	300 250 150	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
100 - 200	250 212 106	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
90 - 150	180 150 75	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
70 - 110	125 106 53	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
40 - 70	106 90 45	µm µm µm	99 to 100 % 90 to 100 % 0 to 10 %
0 - 50	90 63 45	µm µm µm	99 to 100 % 90 to 100 % 60 to 90 %

Other types of products:

Other types of granulometry are available on request (specific).
MIL-G, AMS, SAE...

2) Chemical composition

Free silica : 0%

Sodalime glass composition	Percentage
SiO ₂	70 to 75 %
Na ₂ O	12 to 15 %
K ₂ O	< 1,5 %
CaO	7 to 12 %
MgO	< 5 %
Fe ₂ O ₃	< 0,5 %
Al ₂ O ₃	< 2,5 %
SO ₃	< 0,5 %

3) Physical properties

- Softening point 730°C
- Annealing point 550°C
- Absolute specific weight 2.46
- Refraction index 1,51-1,52
- Apparent density 1,50-1,60
- Mohs hardness 6
- Rockwell hardness 47 Rc
- Knoop hardness (100 gr. Load) 515 Kg/mm²

4) Specific properties

Angular particles: maximum 3% in number.

.. QUALITY CONTROL

MasterBlast® are produced in ISO 9001 certified production sites. This quality management system is the international standard to ensure compliance with international quality standards and to enhance customer satisfaction in the relationship between customers and manufacturers.

.. RESISTANCE TO HUMIDITY

Sovitec MasterBlast® benefit from specific treatment which increases very considerably their insensitivity to humidity during storage and in process of use.

.. PACKAGING

Multilayer paper bag with polyethylene inner liner bag.
Net weight: 25 kg. Pallet: 1 ton.

.. USER ADVICE

Read Sovitec technical data sheets.



A bright experience

