

TECHNICAL DATA SHEET

Microsilica HP-C

1. Description

Microsilica HP-C is very fine pozzolanic material, composed mostly of amorphous silica produced by electric arc furnaces as a by-product of the production of elemental silicon or ferrosilicon alloys.

2. Application

- refractory materials
- insulating materials
- corundum and ceramic products
- construction materials (high-strength concrete, shotcrete, mortars and grouts)

3. Storage

Product should be kept in a dry and well ventilated area.
Store away from hydrofluoric acid and fluorides.

4. Typical chemical and physical characteristics

Parameters	Unit	Value
SiO ₂	%	95 Min.
C	%	0.8 Max.
CaO	%	0.4 Max.
Fe ₂ O ₃	%	0.3 Max.
H ₂ O	%	0.8 Max.
Al ₂ O ₃	%	0.7 Max.
Na ₂ O	%	0.3 Max.
K ₂ O	%	0.85 Max.
MgO	%	0.5 Max.
Loss on Ignition	%	2 Max.
Specific surface	m ² /g	18 Min.
pH value		6 - 8
Size > 45 µm	%	0.5 Max.
Bulk density	kg/m ³	250 - 350

5. Packaging

Microsilica HP-C can be supplied in 600 kg big bags.

* Material should be used in accordance with the manufacturer's recommendations.