

Product Data Sheet

Elkem Microsilica® 975

1. Description

Elkem Microsilica® is a highly reactive raw material used for stabilization of pigments for ceramics industry.

2. Chemical Analysis (weight%)

<i>Element</i>				<i>Spec*</i>	
<i>Typical**</i>					
SiO ₂	%	min.	97.5	98.5	
C	%	max.	0.4	0.20	
Fe ₂ O ₃	%	max.	0.4	0.14	
Al ₂ O ₃	%	max.	0.6	0.34	
CaO	%	max.	0.3	0.14	
MgO	%	max.	0.1	0.04	
K ₂ O	%	max.	0.1	0.04	
Na ₂ O	%	max.	0.4	0.20	
H ₂ O ***	%	max.	0.6	0.21	

3. Physical Data

<i>Properties</i>				<i>Spec*</i>	
<i>Typical**</i>					
Loss on Ignition	% max.	1.0	0.4		
Coarse Particles >45µm	% max.	2.0	1.2		
Bulk density ***	kg/m ³	400 - 600			

* Test methods are available upon request

** Typical values are for guidance only

*** When packed

4. Customer benefits

- Improved flow
- Guaranteed stability
- High reactivity
- Higher densification
- No gas formation
- No glass phases formation
- High colour intensity
- Improved hot-strength properties

5. Health, Safety and Environment

Please consult our Product Safety information on our website: <https://www.elkem.com/silicon-materials/microsilica/>

6. Packaging

The product is available in 500 kg big bags. Please contact our sales representative for more details.

7. Handling and storage

- Avoid dust generation
- Store material properly, protected from moisture and contamination

8. Local Elkem representative

For further information, please contact our local sales representative. Our specialists will assist you in solving individual problems.

All data listed are reference values subject to production-related tolerances. Although reasonable care has been taken in the preparation of the information contained herein, it still remains the duty of the user to prove the suitability of this material for his applications.