Description
ELKEM MICRO SILICA® 920 is a dry silica fume powder. It is a key ingredient in many construction materials. In use, it acts physically as a filler and chemically as a highly reactive pozzolan.

ELKEM MICRO SILICA® 920 is used in gypsum board applications to improve fire performance. It delays board shrinkage and retains board core strength under fire conditions, which improves the overall durability properties of the boards.

ELKEM MICRO SILICA® 920 is available in two forms: Undensified (U) and Densified (D).

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Typical value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiO&lt;sub&gt;2&lt;/sub&gt;</td>
<td>%</td>
<td>Minimum 85.0</td>
</tr>
<tr>
<td>H&lt;sub&gt;2&lt;/sub&gt;O (when packed)</td>
<td>%</td>
<td>Maximum 3.0</td>
</tr>
<tr>
<td>Specific surface area</td>
<td>m&lt;sup&gt;2&lt;/sup&gt;/g</td>
<td>15.0 – 35.0*</td>
</tr>
<tr>
<td>Bulk Density U</td>
<td>kg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>200 - 350</td>
</tr>
<tr>
<td>Bulk Density D</td>
<td>kg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>500 - 700</td>
</tr>
</tbody>
</table>

*Test methods available on request. Typical values for guidance only. Tested on undensified.

Packaging
The product is available in 25 kg bags, various other size bags and bulk road tanker. Please contact our representative for more details.

Storage and handling
ELKEM MICRO SILICA® 920 should be kept in dry storage. Products that have been subjected to moisture and allowed to dry again may result in inferior performance.

Health, safety & environment
Refer to Product Safety Information (PSI) document on our website: www.elkem.com

Quality assurance
Elkem Silicon Products management system for development, processing and supply of ELKEM MICRO SILICA® is certified to ISO 9001:2015. The chemical and physical properties of ELKEM MICRO SILICA® 920 are regularly tested.

Sustainability
For Elkem, sustainability is central to our business strategy. Our mission is to provide advanced material solutions shaping a better and more sustainable future, adding value to our stakeholders globally. We are committed to reducing embodied carbon emissions. For further information, please visit www.elkem.com/sustainability/ or contact us to learn more about our sustainability roadmap.

Additional information and contact
See additional Elkem data sheets and technical papers on our website: www.elkem.com
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 their application.

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