XYSIL® 380

Hydrophilic Fumed Silica

XYSIL® 380 is a hydrophilic Fumed Silica with a specific surface area of 380m²/g, and it is synthetic, hydrophilic, amorphous silica, produced via flame hydrolysis.

Physico-chemical Data

<table>
<thead>
<tr>
<th>Properties</th>
<th>Units</th>
<th>Typical Value</th>
<th>Standardization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific surface area (BET)</td>
<td>m²/g</td>
<td>380±25</td>
<td>GB/T10722</td>
</tr>
<tr>
<td>pH-value (in 4% dispersion)</td>
<td></td>
<td>3.8-4.5</td>
<td>GB/T1717</td>
</tr>
<tr>
<td>Loss on drying, ex works(2h @ 105℃)</td>
<td>wt%</td>
<td>&lt;2.0</td>
<td>GB/T5211.3</td>
</tr>
<tr>
<td>Loss on ignition(2h @ 1000, based on material dried for 2h @ 105℃)</td>
<td>wt%</td>
<td>&lt;2.5</td>
<td>GB/T20020</td>
</tr>
<tr>
<td>Sieve residue (45μm)</td>
<td>%</td>
<td>&lt;0.05</td>
<td>GB/T5211.14</td>
</tr>
<tr>
<td>SiO₂ content (based on the substance heated at 1000℃ for 2 h)</td>
<td>wt%</td>
<td>&gt;99.8</td>
<td>GB/T20020</td>
</tr>
<tr>
<td>Tamped density (based on material dried for 2h @ 105℃)</td>
<td>g/L</td>
<td>25~60</td>
<td>GB/T5211.4</td>
</tr>
<tr>
<td>Carbon content (based on material dried for 2h @ 105℃)</td>
<td>wt%</td>
<td>&lt;0.2</td>
<td>GB/T20020</td>
</tr>
</tbody>
</table>

At time of packaging.

Application and Properties

Application:
- HTV Silicone Rubber
- Paints and Coatings, Printing Inks
- Unsaturated polyester resins (UPR)
- Cable compounds
- Adhesive & Sealant

Functions:
- Rheology and thixotropy Control of polymers, liquids, etc
- The highest surface area resulting in the best thickening and thixotropy
- Reinforcement of HTV Silicone Rubber
- High Transparency
- Flow aid

Packing and Storage

XYSIL® 380 is packaged in multiple layer kraft paper 10kg bags on pallet, and should be stored in the original packaging in dry storage areas for protecting the material from volatile substance.

Transportation:
- Sea Transportation
  - 20'GP: 1800KG, 10 pallets, 180KG/pallet.
  - 40'GP: 3600KG, 20 pallets, 180KG/pallet.
- Road Transportation: by requirement

This information is supplied on basis of our best knowledge, as a convenience and for information purposes only. We disclaim any warranty and liability whatsoever as to accuracy and completeness of such information as well as to the potential infringement of any proprietary rights.

Henan Xunyu Chemical Co., Ltd
Add: No.18, Shangwu Waihuan Road, Zhengdong New Dis, Zhengzhou City, Henan Province, P.R. China
Tel: +86 371 69176282 Fax: +86 371 69176283
Email: info@xunyuchem.com; technique@xunyuchem.com
Website: www.xunyuchem.com

Reversion 06 on March 31st, 2016