AEROSIL® OX 50

Hydrophilic fumed silica

### Characteristic physico-chemical data

<table>
<thead>
<tr>
<th>Properties and test methods</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific surface area (BET)</td>
<td>m²/g</td>
<td>35 - 65</td>
</tr>
<tr>
<td>pH value in 4% Dispersion</td>
<td></td>
<td>3.8 - 4.8</td>
</tr>
<tr>
<td>Loss on drying* 2 hours at 105°C</td>
<td>%</td>
<td>≤ 1.5</td>
</tr>
<tr>
<td>Tamped density*</td>
<td>g/l</td>
<td>approx. 130</td>
</tr>
<tr>
<td>SiO₂ content based on ignited material</td>
<td>%</td>
<td>≥ 99.8</td>
</tr>
<tr>
<td>Sieve residue (by Mocker, 45µm)</td>
<td>%</td>
<td>≤ 0.200</td>
</tr>
</tbody>
</table>

*A ex plant

The data represents typical values (no product specification).

### Applications and properties

#### Applications
- PET-films
- Dental composites
- Raw material for production of ultra pure silica glass according to the sol-gel-process

#### Properties
- Antiblocking for plastics
- Improves dielectrical properties
- Enables high filler loading
- Broad particle size distribution
- High tamped density
- Low tendencies to form agglomerates
- Low thickening properties
- High purity

### Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

### Packaging and storage

AEROSIL® OX 50 is supplied in multiple layer 15 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® OX 50 should be used within 2 years after production.