Technical Data Sheet

ACS Material Zeolite ZSM-11

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1. Preparation Method
   Hydrothermal Synthesis Method

2. Characterizations

<table>
<thead>
<tr>
<th>Cation:</th>
<th>H⁺</th>
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</thead>
<tbody>
<tr>
<td>SiO₂/Al₂O₃ Molar Ratio:</td>
<td>50</td>
</tr>
<tr>
<td>BET Surface Area:</td>
<td>≥380 m²/g</td>
</tr>
<tr>
<td>Pore Volume:</td>
<td>&gt;0.2 cm³/g</td>
</tr>
<tr>
<td>Bulk Density:</td>
<td>0.5 g/cm³</td>
</tr>
<tr>
<td>Na₂O:</td>
<td>&lt;0.1 wt.%</td>
</tr>
<tr>
<td>Ignition Loss(550°C 3h):</td>
<td>&lt;8 wt.%</td>
</tr>
<tr>
<td>H₂O Adsorption (50% ET 20°C):</td>
<td>5 wt.%</td>
</tr>
<tr>
<td>Particle Size:</td>
<td>200-300 nm</td>
</tr>
</tbody>
</table>

Typical SEM Image (1) of ACS Material Zeolite ZSM-11
Typical SEM Image (2) of ACS Material Zeolite ZSM-11

Typical XRD of ACS Material Zeolite ZSM-11
Typical BET Analysis of ACS Material Zeolite ZSM-11

3. Application Fields

1) Catalysts
2) Adsorbents

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