AMPERGY®
Powders for solid oxide fuel cells

• Quality advantage because all products are fine and micron sized powders, offering high homogeneity and high purity along with a precise stoichiometry
• Customizable solutions: Adjustment of particle size, powder BET and chemistry according to customer requirements
• Exactly specified powder properties make it possible to set a defined sinter shrinkage that matches the system
• Mixed powders (e.g. LSCF / GCO) can be offered in different, homogeneously mixed ratios
• Expertise in the industrial production of high-quality ceramic powders and the full technical support by a team of experienced professionals will assist you to meet your goals
<table>
<thead>
<tr>
<th>Powder</th>
<th>Powder type</th>
<th>Bet m²/g</th>
<th>Typical applications</th>
</tr>
</thead>
</table>
| LSM30  | La₀.₆₅Sr₀.₃₀Mn₀.₀₀₃ | 4.0 – 6.0 | Screen Printing  
For SOFC Cathode |
| LSM20  | La₀.₇₁Sr₀.₂₀Mn₁₀₀₃ | 1.₅ – 3.₅ | Screen Printing  
For SOFC Cathode |
| LSCF   | La₀.₆₀Sr₀.₄₀Co₀.₂₅Fe₀.₈₅₀₃ | 4.₀ – ₁₁.₀ | Screen Printing  
For SOFC Cathode |
| LSCF/GCO | La₀.₆₀Sr₀.₄₀Co₀.₂₅Fe₀.₈₅₀₃/Gd₁₀ₓCe₁₋₀ₓO₂ | 4.₀ – ₁₁.₀ | Screen Printing  
For SOFC Cathode  
Also for SOEC mode |
| LSCM   | La₀.₆₀Sr₀.₂₀Co₀.₁₀Mn₀.₀₀₃ | 1.₅ – 3.₅ | Screen Printing  
Contact layer SOFC Cathode |
| LSC    | La₀.₉₀Sr₀.₁₀Co₃₀₃ | 4.₀ – ₆.₀ | Screen Printing  
Contact layer SOFC Cathode |
| MCF    | Mn₁₀Co₁₀Fe₀₄ | 2.₀ – ₄.₀ | As protective coating on Cr containing interconnectors |
| 10GCO  | Gd₀.₁Ce₀.₉O₂ | 7.₀ – ₁₂.₀ | Screen Printing  
For SOFC Cathode and Anode |
| 20GCO  | Gd₀.₂Ce₀.₈O₂ | 7.₀ – ₁₂.₀ | Screen Printing  
For SOFC Cathode and Anode |
| 40GCO  | Gd₀.₄Ce₀.₆O₂ | 7.₀ – ₁₂.₀ | Screen Printing  
For SOFC Cathode and Anode |

**Sales**

**Global:** Maria Teresa Suarez Martin  
mariateresa.suarezmartin@hoganas.com  

**Americas:** Susan Vogel  
susan.vogel@hoganas.com  

**Japan:** Ken Imamura  
ken.imamura@hoganas.com  

**South East Asia:** Henry Chen  
henry.chen@hoganas.com  

**Technical Support**

**Global:** Sebastian Schuette  
sebastian.schuette@hoganas.com  

Please email inquiries to our global email address: advanced-ceramics@hoganas.com.  
We will gladly redirect your questions to the sales manager in your region.