



## Ampergy®

### Powders for solid oxide fuel cells

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- 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

Powder	Powder type	BET m <sup>2</sup> /g	Typical applications
<b>LSM20</b>	La <sub>0.75</sub> Sr <sub>0.20</sub> MnO <sub>3</sub>	4.0 – 6.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode</li> </ul>
<b>LSM30</b>	La <sub>0.65</sub> Sr <sub>0.30</sub> MnO <sub>3</sub>	1.5 – 3.5	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode</li> </ul>
<b>LSCF</b>	La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub>	7.5 – 10.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode</li> </ul>
<b>LSMC</b>	La <sub>0.8</sub> Sr <sub>0.2</sub> Co <sub>0.1</sub> Mn <sub>0.9</sub> O <sub>3</sub>	1.5 – 3.5	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• Contact layer SOFC Cathode</li> </ul>
<b>LSC10</b>	La <sub>0.9</sub> Sr <sub>0.1</sub> CoO <sub>3</sub>	4.0 – 6.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• Contact layer SOFC Cathode</li> </ul>
<b>LSC40</b>	La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub>	4.0 – 6.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• Contact layer SOFC Cathode</li> </ul>
<b>LSC50</b>	La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub>	4.0 – 6.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• Contact layer SOFC Cathode</li> </ul>
<b>MCF</b>	Fe <sub>0.05</sub> Co <sub>0.95</sub> MnO <sub>4</sub>	2.0 – 4.0	<ul style="list-style-type: none"> <li>• Protective coating on Cr containing interconnectors</li> </ul>
<b>10GCO</b>	Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2</sub>	6.0 – 9.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode and Anode</li> </ul>
<b>10GCO fine Grade</b>	Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2</sub>	10.0 – 13.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode and Anode</li> </ul>
<b>20GCO</b>	Gd <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>2</sub>	6.0 – 9.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode and Anode</li> </ul>
<b>20GCO fine Grade</b>	Gd <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>2</sub>	10.0 – 13.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode and Anode</li> </ul>
<b>40GCO</b>	Gd <sub>0.4</sub> Ce <sub>0.6</sub> O <sub>2</sub>	10.0 – 13.0	<ul style="list-style-type: none"> <li>• Screen Printing</li> <li>• For SOFC Cathode and Anode</li> </ul>



## Sales

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