



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

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



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