



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
LSM30	La _{0.65} Sr _{0.30} Mn _{1.00} O ₃	4.0 – 6.0	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode
LSM20	La _{0.75} Sr _{0.20} Mn _{1.00} O ₃	1.5 – 3.5	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode
LSCF	La _{0.60} Sr _{0.40} Co _{0.20} Fe _{0.80} O ₃	4.0 – 11.0	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode
LSCF/GCO	La _{0.60} Sr _{0.40} Co _{0.20} Fe _{0.80} O ₃ / Gd _{0,x} Ce _{1-0,x} O ₂	4.0 – 11.0	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode • Also for SOEC mode
LSCM	La _{0.80} Sr _{0.20} Co _{0.10} Mn _{0.90} O ₃	1.5 – 3.5	<ul style="list-style-type: none"> • Screen Printing • Contact layer SOFC Cathode
LSC	La _{0.90} Sr _{0.10} CoO ₃	4.0 – 6.0	<ul style="list-style-type: none"> • Screen Printing • Contact layer SOFC Cathode
MCF	Mn _{1,0} Co _{1,9} Fe _{0,1} O ₄	2.0 – 4.0	<ul style="list-style-type: none"> • As protective coating on Cr containing interconnectors
10GCO	Gd _{0,1} Ce _{0,9} O ₂	7.0 – 12.0	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode and Anode
20GCO	Gd _{0,2} Ce _{0,8} O ₂	7.0 – 12.0	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode and Anode
40GCO	Gd _{0,4} Ce _{0,6} O ₂	7.0 – 12.0	<ul style="list-style-type: none"> • Screen Printing • For SOFC Cathode and Anode



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