Specialty SOFC Thermal Spray Powder List

Manufactured at Inframat Advanced Materials’ Willington CT Facility

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Anodes (Nanostructure also available, other compositions also available)

NiO-YSZ: customer composition
Ni-YSZ: customer composition
NiO-GDC: customer composition
CuO-GDC: customer composition
Custom-Combination

Cathodes (Nanostructure also available, other compositions also available)

LSM: La_{0.8}Sr_{0.2}MnO_3, (La_{0.8}Sr_{0.2})_{0.98}MnO_3, La_{0.85}Sr_{0.15}MnO_3, (La_{0.85}Sr_{0.15})_{0.98}MnO_3, 
(La_{0.85}Sr_{0.15})MnO_3 (customer composition)
LSCF: La_{0.8}Sr_{0.2}Co_{0.2}Fe_{0.8}O_{3-δ} or customer composition
LSC: LaxSr_{1-x}CoO_{3-δ} (customer composition)
LSF: LaxSr_{1-x}FeO_{3-δ} (customer composition)
SmSrC: customer composition
LSM/YSZ: customer composition
LSM/GDC: customer composition
LSF/GDC: customer composition
LSM/GDC: customer composition
LSCF/GDC: customer composition
Custom-Combination (also carbon pore former can be added)

Electrolytes (Nanostructure also available, other compositions also available)

YSZ: 10 mol% Y_2O_3, 8 mol% Y_2O_3
GDC: 10 mol% Gd, 15 mol% Gd, 20 mol% Gd, or customer composition
SDC: customer composition
YDC: customer composition

General specifications:
99.9% (raw material based), phase pure, average agglomerate size 30-40 μm (or custom size cut), flowable for thermal spray