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## 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:**  $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ ,  $(\text{La}_{0.8}\text{Sr}_{0.2})_{0.98}\text{MnO}_3$ ,  $\text{La}_{0.85}\text{Sr}_{0.15}\text{MnO}_3$ ,  $(\text{La}_{0.85}\text{Sr}_{0.15})_{0.98}\text{MnO}_3$ ,  
 $(\text{La}_x\text{Sr}_{1-x})_y\text{MnO}_3$  (customer composition)  
**LSCF:**  $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$  or customer composition  
**LSC:**  $\text{La}_x\text{Sr}_{1-x}\text{CoO}_{3-\delta}$  (customer composition)  
**LSF:**  $\text{La}_x\text{Sr}_{1-x}\text{FeO}_{3-\delta}$  (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%  $\text{Y}_2\text{O}_3$ , 8 mol%  $\text{Y}_2\text{O}_3$   
**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  $\mu\text{m}$  (or custom size cut), flowable for thermal spray