**Supplementary Information for:**

**Fabrication of large alumina foams by pyrolysis of thermo-foamed alumina-sucrose**

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**Fig.S1** Photograph of large alumina foam body obtained direct binder burnout and sintering showing severe cracks. (a) Sucrose polymer-alumina powder composite foam, (b) alumina green foam after sucrose polymer burnout and (c) sintered alumina foam. (Alumina powder to sucrose weight ratio is 1).



**Fig. S2** Linear shrinkage during pyrolysis and carbon burnout as a function of alumina powder to sucrose weight ratio.(Pyrolysis at 0.5 oC/minute up to 900 oC with a dwell time of 2 hours and carbon burnout at 1oC/minute up to 600 oC with a dwell time of 2 hours.)