

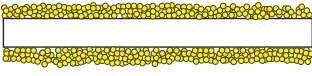
Precursor  
(Metal Alkoxide)  
Solution

Hydrolysis  
Polymerization

SOL

Coating

XEROGEL FILM



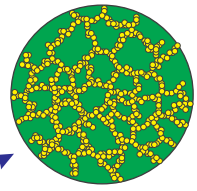
Heat

DENSE FILM



Coating

WET GEL



Evaporation

XEROGEL



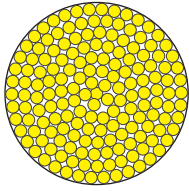
Heat

DENSE CERAMICS



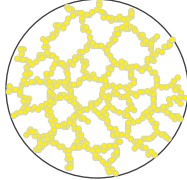
Gelling

UNIFORM PARTICLES



Extraction of Solvent

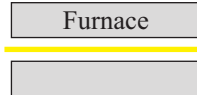
AEROGEL



Precipitation

Spinning

Furnace



Ceramic Fibers

