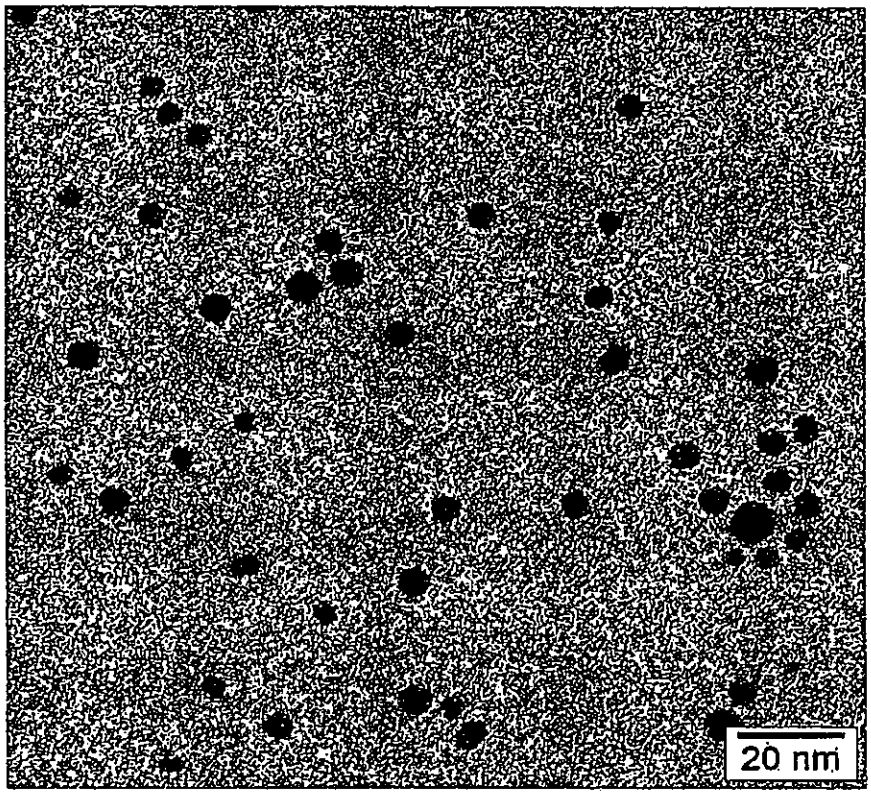


Figure 1

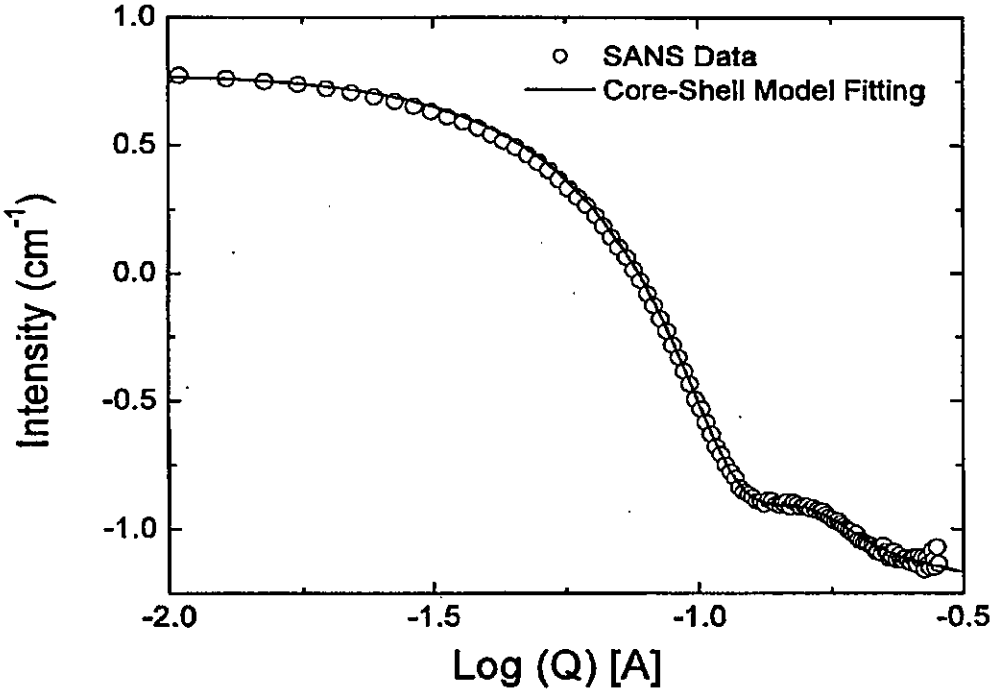

SANS Data
Core-Shell Model Fitting
Intensity (cm-1)
Log (Q) [A]
1.0
0.5
0.0
-0.5
-1.0
-2.0
-1.5
-1.0
-0.5

Figure 2

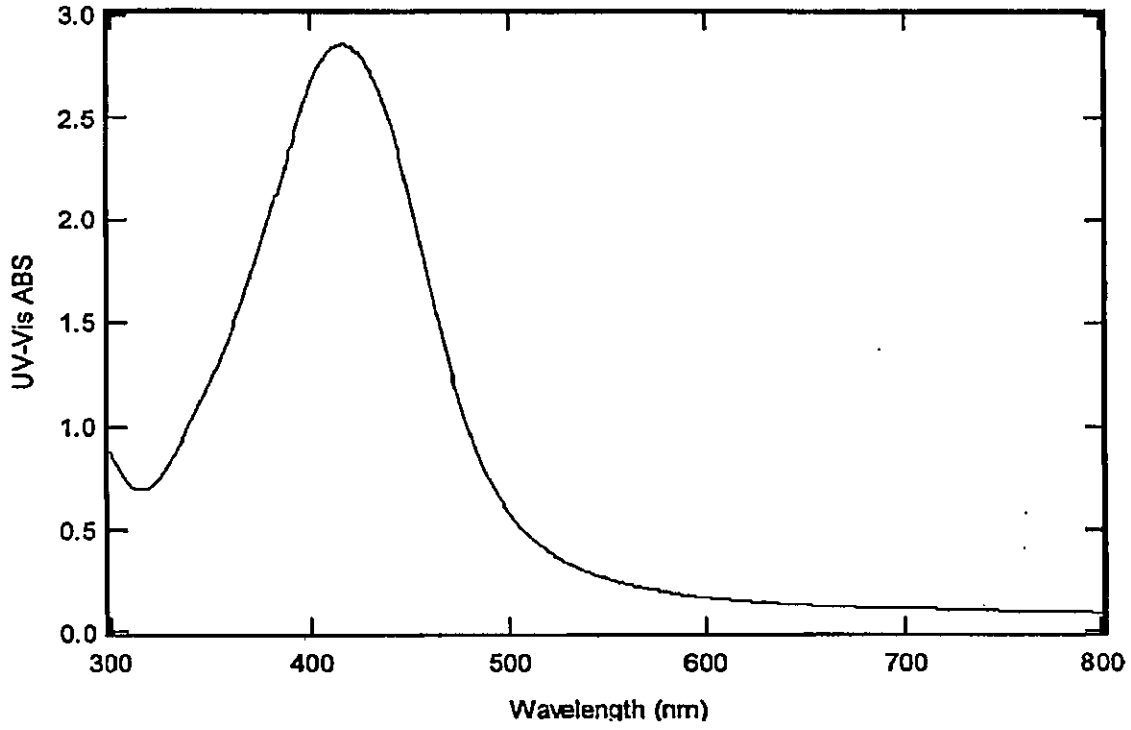

3.0
2.5
2.0
1.5
1.0
0.5
0.0
UV-Vis ABS
300
400
500
600
700
800
Wavelength (nm)

Figure 3

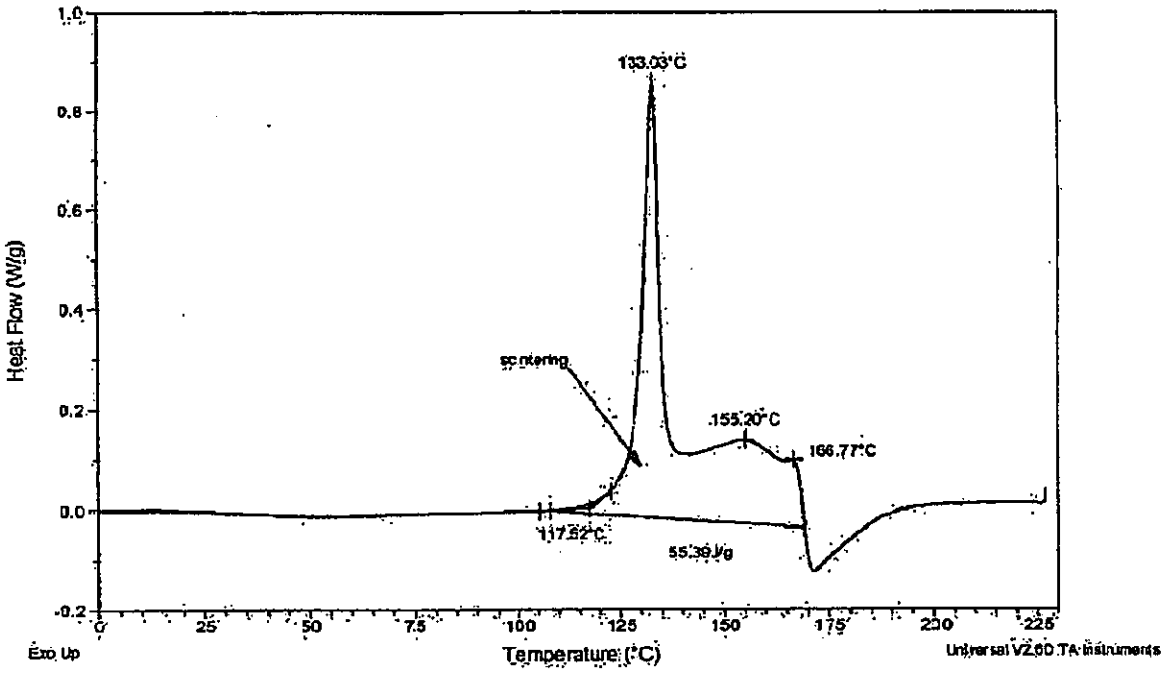

1.0
0.8
0.6
0.4
0.2
0.0
-0.2
Heat Flow (W/g)
133.03°C
sintering
155.20°C
166.77°C
117.52°C
55.39 J/g
0
25
50
75
100
125
150
175
200
225
Exo Up
Temperature (°C)
Universal V2.6D TA Instruments

Figure 4

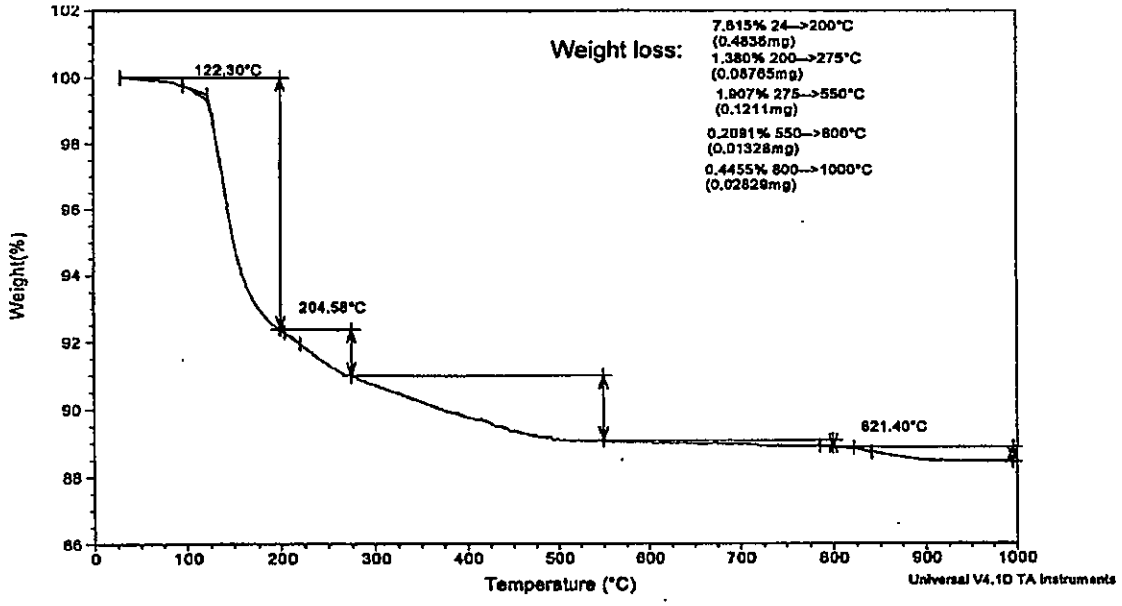
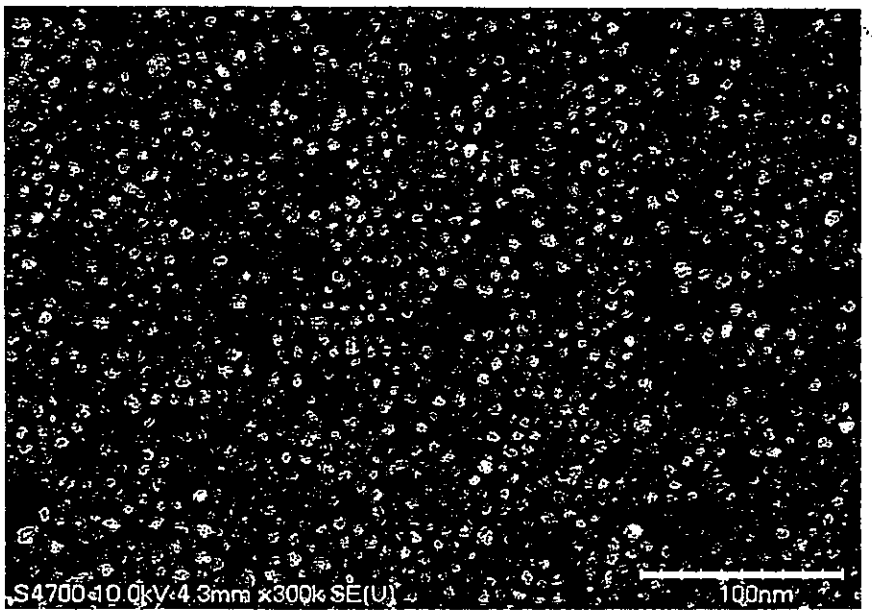

Weight loss:
7.815% 24-->200°C
(0.4838mg)
1.380% 200-->275°C
(0.08765mg)
1.907% 275-->550°C
(0.1211mg)
0.2091% 550-->800°C
(0.01328mg)
0.4455% 800-->1000°C
(0.02829mg)
122.30°C
204.58°C
621.40°C
Weight(%)
Temperature (°C)
Universal V4.1D TA Instruments

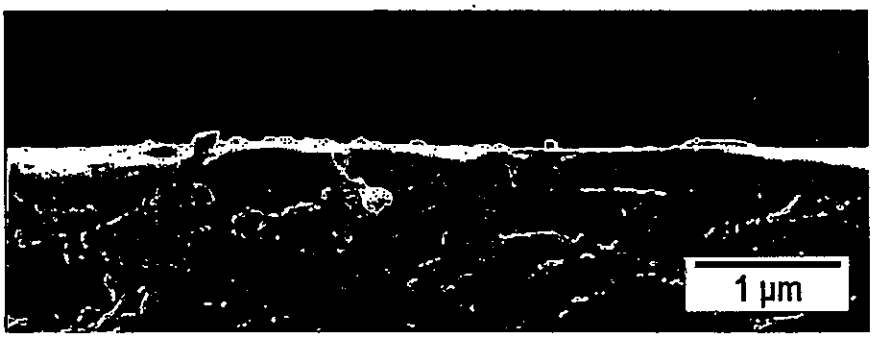
Figure 5



Figure 6



(a)



(b)

Figure 7