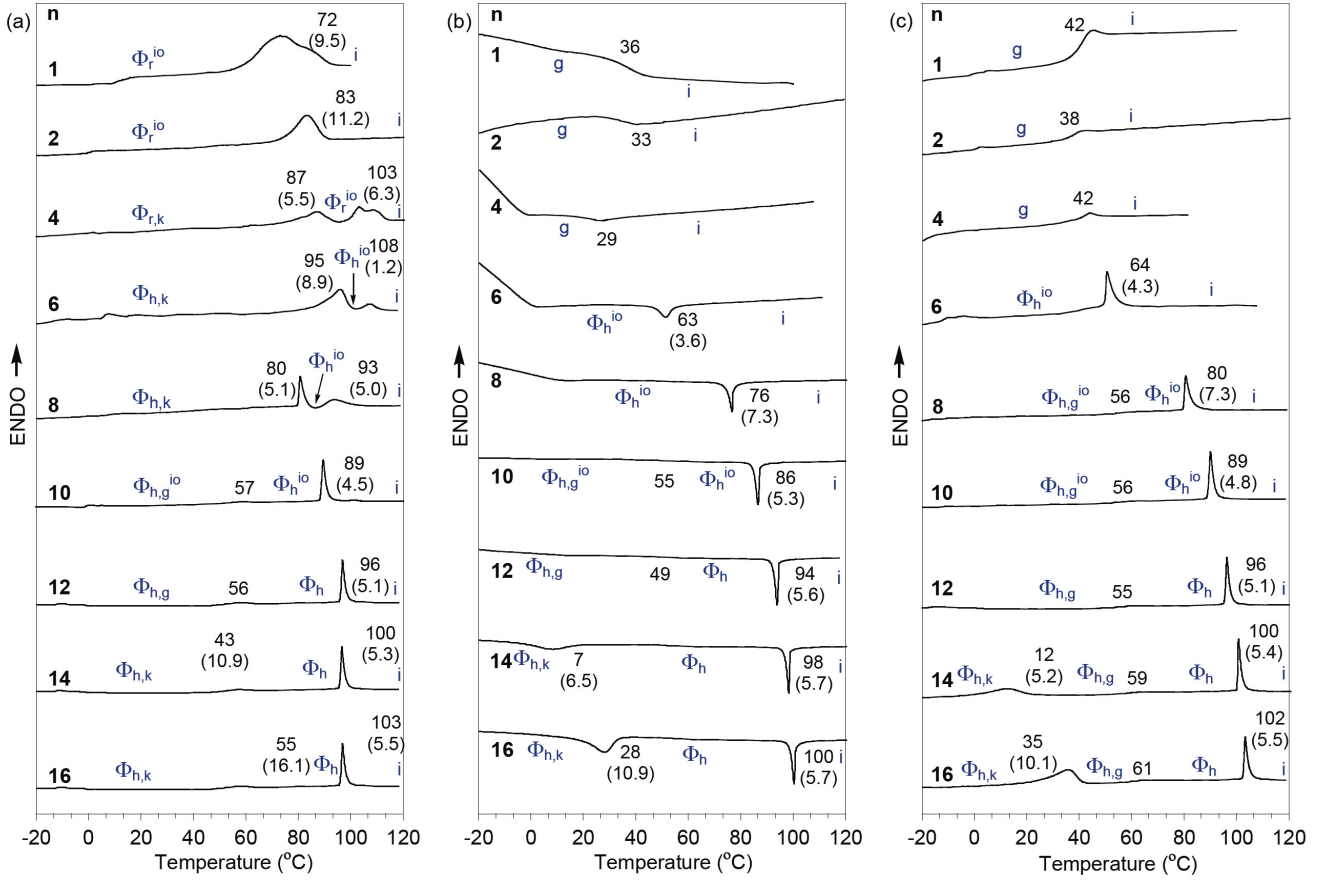
(a)
n
1
Φr io
72
(9.5)
i
2
Φr io
83
(11.2)
i
4
Φr,k
87
(5.5)
Φr io
103
(6.3)
i
6
Φh,k
95
(8.9)
Φh io
108
(1.2)
i
8
Φh,k
80
(5.1)
Φh io
93
(5.0)
i
10
Φh,g io
57
Φh io
89
(4.5)
i
12
Φh,g
56
Φh
96
(5.1)
i
14
Φh,k
43
(10.9)
Φh
100
(5.3)
i
16
Φh,k
55
(16.1)
Φh
103
(5.5)
i
ENDO
-20 0 20 40 60 80 100 120
Temperature (°C)
(b)
n
1
g
36
i
2
g
33
i
4
g
29
i
6
Φh io
63
(3.6)
i
8
Φh io
76
(7.3)
i
10
Φh,g io
55
Φh io
86
(5.3)
i
12
Φh,g
49
Φh
94
(5.6)
i
14
Φh,k
7
(6.5)
Φh
98
(5.7)
i
16
Φh,k
28
(10.9)
Φh
100
(5.7)
i
ENDO
-20 0 20 40 60 80 100 120
Temperature (°C)
(c)
n
1
g
42
i
2
g
38
i
4
g
42
i
6
Φh io
64
(4.3)
i
8
Φh,g io
56
Φh io
80
(7.3)
i
10
Φh,g io
56
Φh io
89
(4.8)
i
12
Φh,g
55
Φh
96
(5.1)
i
14
Φh,k
12
(5.2)
Φh,g
59
Φh
100
(5.4)
i
16
Φh,k
35
(10.1)
Φh,g
61
Φh
102
(5.5)
i
ENDO
-20 0 20 40 60 80 100 120
Temperature (°C)