

Cationic Polymerization of Isobutylene Catalysed by AlCl_3 with Multiple Nucleophilic Reagents

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Table S1. The end group distribution of the PIBs

Entry ^a	End group distribution (mol %)			
	exo	tri	tetra	-Cl
1	30.5	27.6	35.0	6.9
2	60.4	13.1	19.0	7.5
3	65.9	10.6	15.7	7.8
4	76.0	6.8	10.8	6.4
5 ^b	-	-	-	-
6	28.5	28.2	37.0	6.3
7	29.2	28.5	35.1	7.2
8	30.5	29.4	33.6	6.5
9	31.4	27.5	35.2	5.9
10	30.9	30.5	32.4	6.2
11	32.2	28.5	33.9	5.4
12	46.7	25.4	21.1	6.8
13	70.0	11.4	11.7	6.9
14	53.8	18.3	22.8	5.1
15	68.2	11.9	12.6	7.3
16	70.2	10.7	13.0	6.1
17	60.3	15.9	18.0	5.8
18	72.6	10.2	10.9	6.3
19	68.5	12.6	12.7	6.2
20	59.2	17.6	16.2	7.0
21	67.0	18.5	9.3	5.2
22	73.0	9.4	10.0	7.6
23	79.0	10.1	7.7	3.2

^a The entry numbers are consistent with those in the main document.

^b The product is not enough for carrying out NMR characterization due to quite low conversion.