**Table SI.**Study of aging of primary amine surfaces by XPS.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Elemental composition (% atomic) | | | | |  |
|  | C 1S | O 1S | N 1S | Cl 1S | Si 2p |
| PP-g-AC(ED)g:14%  Day 0 aging | 70.8 | 12.6 | 11.9 | 0.4 | 4.3 |
| PP-g-AC(ED)g:14%  Day 90 of aging | 70.6 | 15.7 | 10.1 | --- | 3.6 |