Table S1 : Characteristics of the investigated commercial polymers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Used acronym | Trade name | Supplier | Origin | Tg (°C)a | Tm (°C)b | Tc (°C)c |
| PP | ISPLEN PP 030 G1E | REPSOL | Fossil-based | -10 | 168 | 131 |
| PLA | PLA Ingeo 7001D | NatureWorks | Biobased | 55 | 149 | 122 |
| PHA | PHBHV ENMAT Y1000P | TianAn Biopolymer | Biobased | 5 | 177 | 85 |
| PBAT | Ecoflex F Blend C1200 | BASF | Fossil-based | -30 | 115 | 70 |
| PBS | BioPBS FZ91PB | PTT MCC Biochem | Biobased | -33 | 117 | 90 |
| Mater-Bi | Mater-Bi EF04P | Novamont | Biobased | -29 | 114 | 76 |
| Bioplast | BIOPLAST 400 | Biotec | Biobased | -25 | 124 | 66 |

a Glass transition temperature b Melting temperature C Crystallisation temperature