Poly(ethylene terephthalate) (PET) (B.PET TRA S2 F740 S350, 2157400350) used for the trays, was supplied by Aristea spa, Salerno (Italy) in laminate form 350 μm thick. These laminates were then processed in trays. The active filler, having the trade name of A6B6 and based on a LDH intercalated with antimicrobial salicylate anion (listed in EC-Directive 10/2011), was produced by Nicefiller Ltd, a startup of the University of Salerno (Italy). The synthesis was conducted accordingly to a previously reported procedure (Frunza, Lisa, Popa, Miron, & Nistor, 2008). The resin used for coating was a water-based paint normally used for food packaging (Inx 1-7801-7000, solid content 42 ± 2 %, viscosity 20 s at 20 °C) purchased from Inx srl (Lodi, Italy). Its constituents are in accordance with the EC-Directive 2002/72 including amendments. The resin and the active filler (A6B6) at 5 wt% were mixed using high energy ball milling at room temperature, for