

SUPPLEMENTARY MATERIAL TO

**Poly(methyl methacrylate) denture base materials modified with  
dihydroxyfurfuryl itaconate: Significant applicative  
properties**

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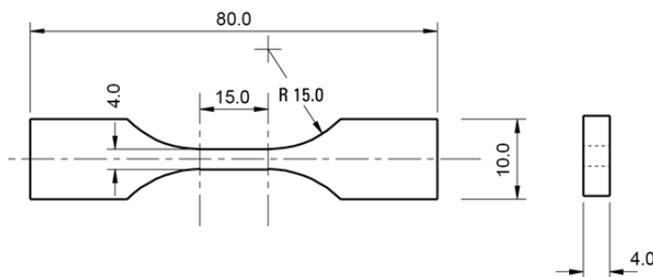


Fig. S-1. The geometry of the specimens used for tensile testing of materials (ASTM D882).

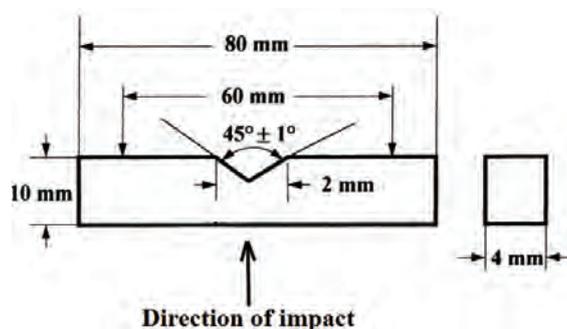


Fig. S-2. The geometry of the specimen used for testing the impact strength after Charpy.

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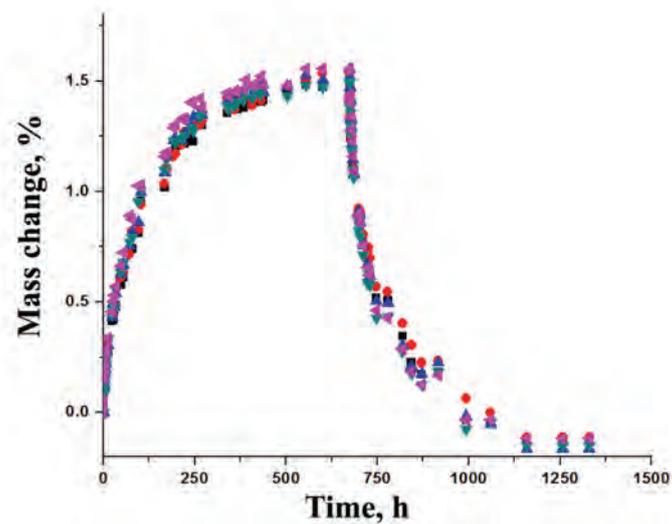


Fig. S-3. Percentage changes in weight of a commercial denture material modified with DTHFI ( $\blacktriangleleft$  – 0,  $\blacksquare$  – 2.5,  $\bullet$  – 5,  $\blacktriangle$  – 7.5 and  $\blacktriangledown$  – 10 %). The symbols represent mean values ( $n = 3$ ). Since the standard deviations around all means were smaller than the size of the symbols, they are not shown.

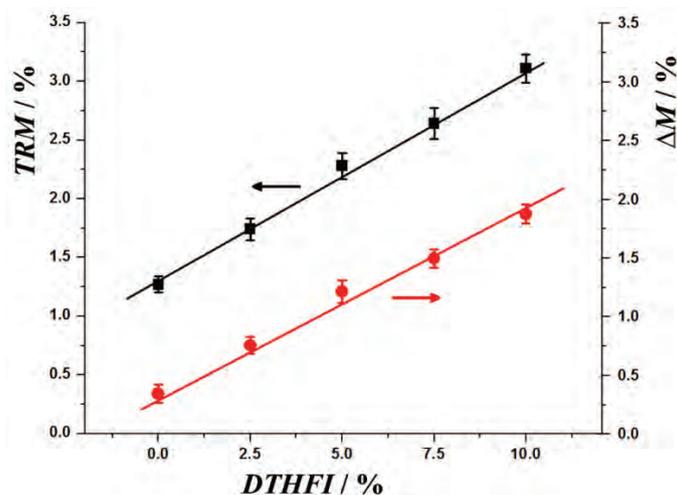


Fig. S-4. Plots of  $\blacksquare$  – total residual monomer (TRM) content and  $\bullet$  – weight loss as a function of different DTHFI content in the systems.

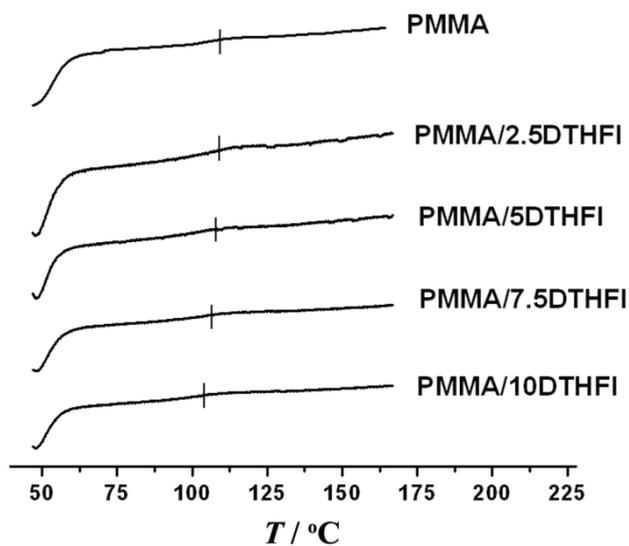


Fig. S-5. DSC curves of commercial PMMA denture base materials modified with DTHFI.

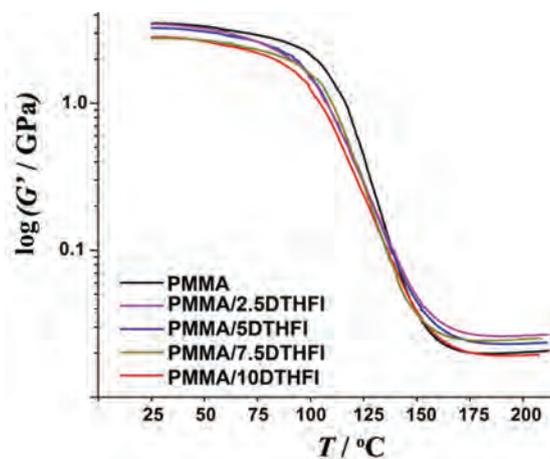


Fig. S-6. The storage modulus ( $G'$ ) of PMMA denture base materials modified with DTHFI in dependence on the temperature and composition of denture base materials.