

SUPPLEMENTARY MATERIAL TO  
**Elaboration of nanostructured polyurethane foams/OMMT  
using a twin-screw extruder in the counter-rotating mode**

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TABLE S-I. Results for the UL 94 HB flammability test; the time and length values represent average values of three tests

Sample	Observation	UL 94 HB Classification
PUR 3	A length of 100 mm burnt for 98 seconds.	No
PUR 3 + 2 % OMMT	A length of 100 mm burnt for 210 seconds.	Yes
PUR 3 + 3 % OMMT	A length of 100 mm burnt for 135 seconds.	Yes
PUR 3 + 5 % OMMT	A length of 100 mm burnt 190 seconds.	Yes
PUR 3 + 7 % OMMT	A length of 100 mm burnt for 180 seconds.	Yes
PUR 3 + 10 % OMMT	A length of 100 mm burnt for 175 seconds.	Yes
PUR 4	A length of 100 mm burnt for 226 seconds.	Yes
PUR 4 + 2 % OMMT	A length of 100 mm burnt for 220 seconds.	Yes

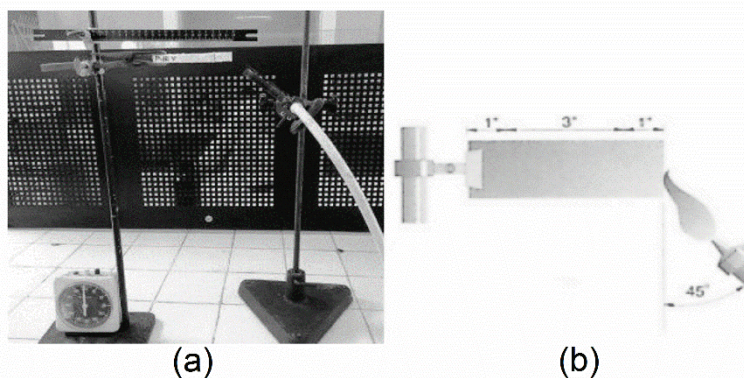


Fig S-1. a) Digital photos of the UL 94 HB test device and b) an illustrative diagram of the UL 94 HB test.

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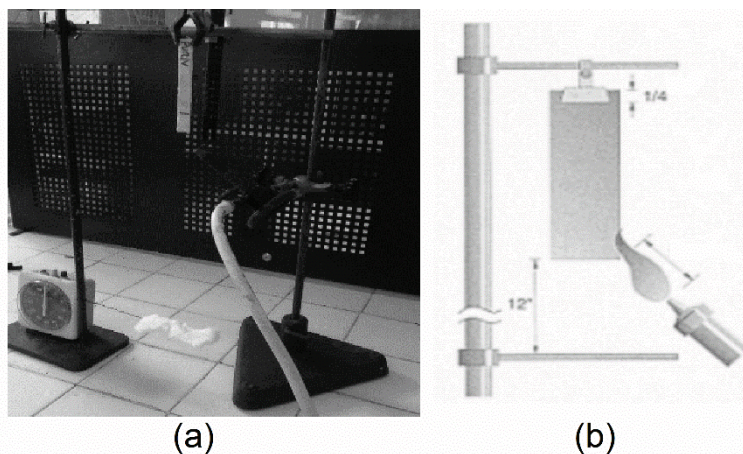


Fig. S-2. a) Digital photos of the UL 94V-0, UL 94V-1 and UL 94V-2 test device; b) Illustrative diagram of the UL 94V-0, UL 94V-1 and UL 94V-2 test.

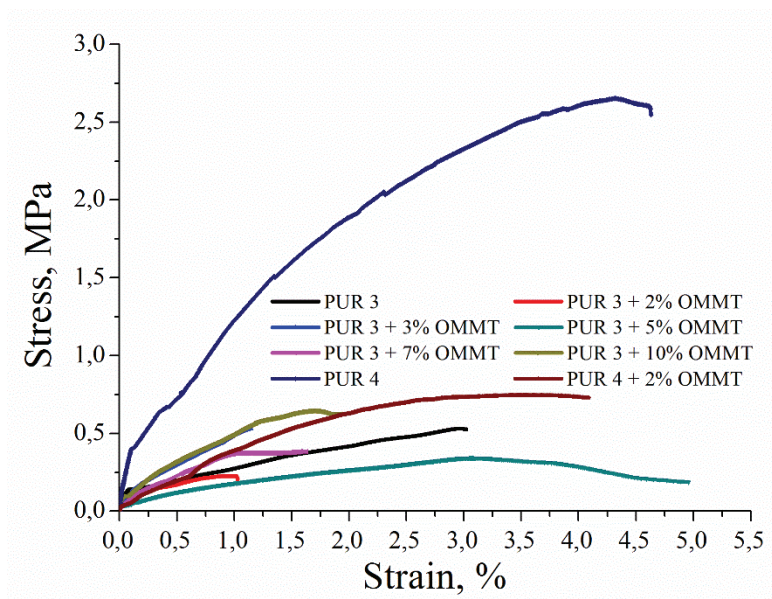


Fig. S-3. Tensile stress–strain curves for the PUR composites.