Supplementary materials

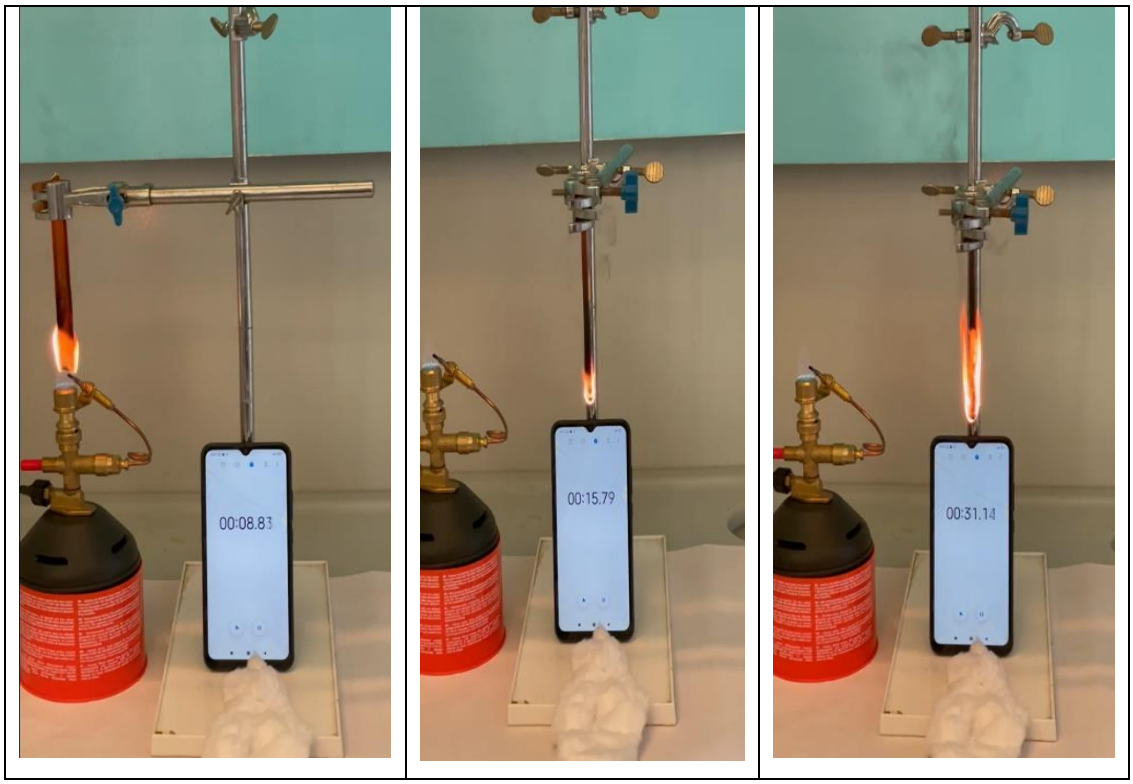


Figure S1: Vertical Burning Test UL 94 of Bz-Ep.

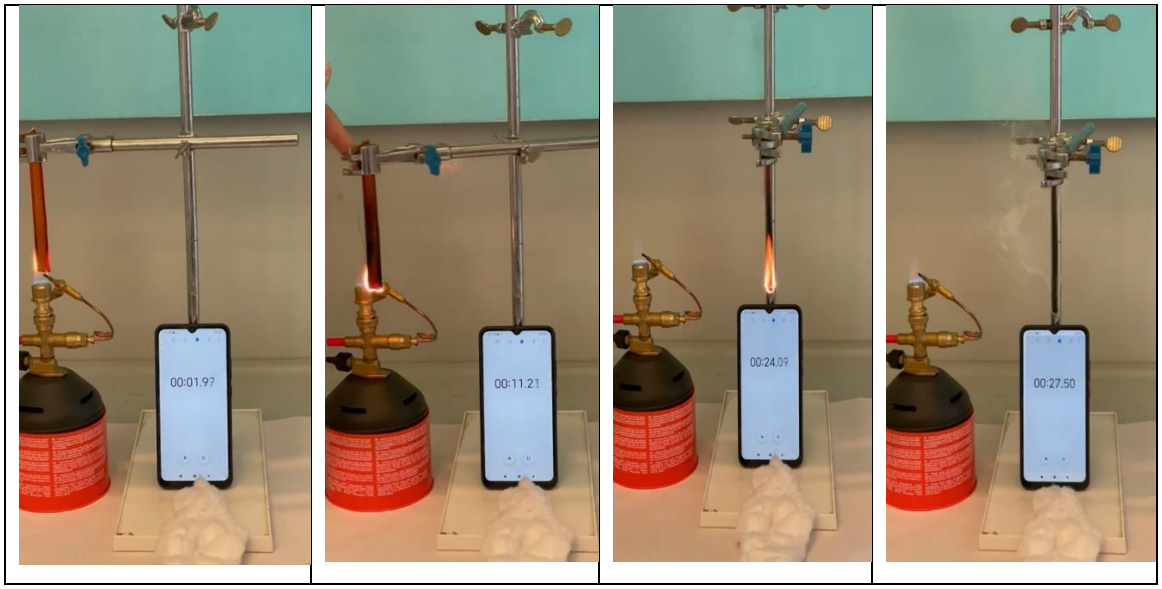


Figure S2: Vertical Burning Test UL 94 for composite Bz-Ep-MCC-P 1%.

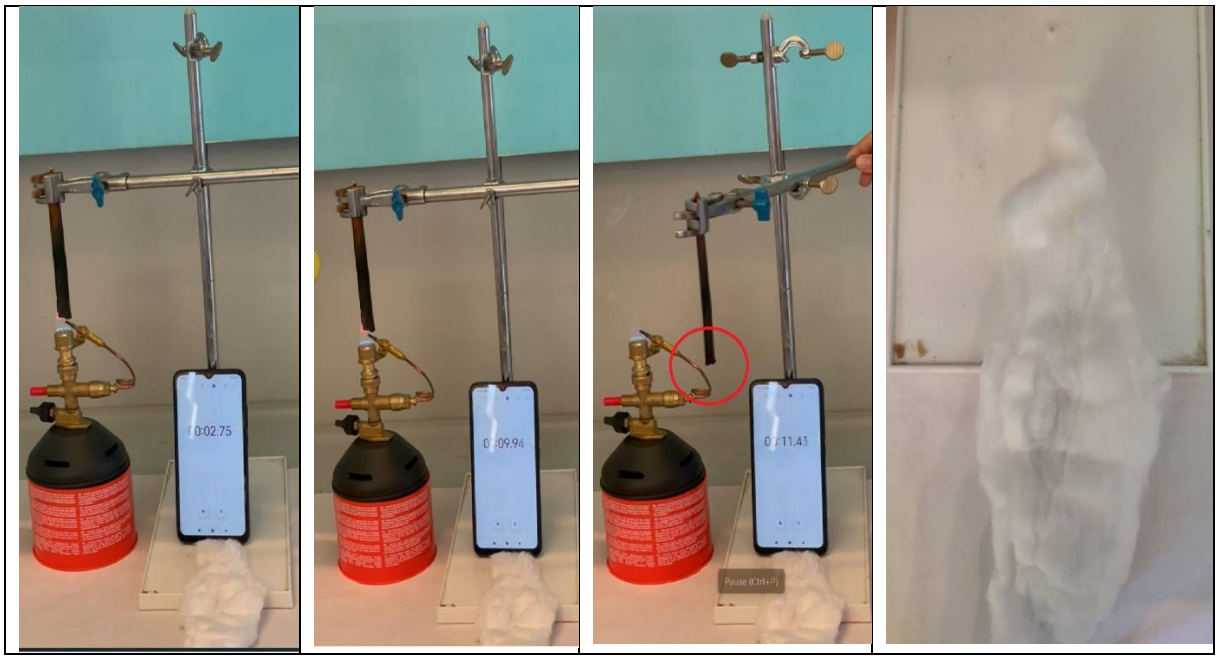


Figure S3: Vertical Burning Test UL 94 ASTM D 3801 for baseline composite Bz-Ep-MCC-P 1% second test.

Table S1: Bomb calorimetry ISO 1716 test results.

sample	T_1(°C)	T_2(°C)	Mass (kg)	ΔH $(\frac{\text{MJ}}{\text{kg}})$	Classification
Bz-Ep	26.389	27.542	0.52	-30.822	hight
Bz Ep-MCC-P 1%	25.322	25.842	0.49	-28.552	Medium
Bz Ep-MCC-P 5 %	25.978	26.498	0.50	-29.697	Medium