

Supplementary Materials: Investigation of the Effects of Multi-Wall and Single-Wall Carbon Nanotubes Concentration on the Properties of ABS Nanocomposites.

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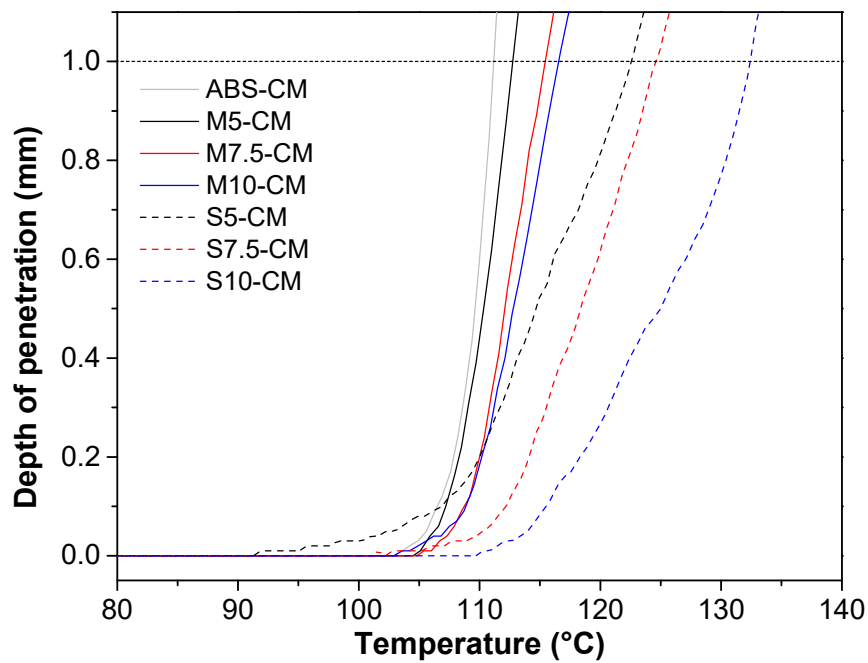


Figure S1. Representative Vicat softening curves of ABS and nanocomposites at different content of SWCNT and MWCNT between 5 and 10 wt%. (CM - compression moulded samples).

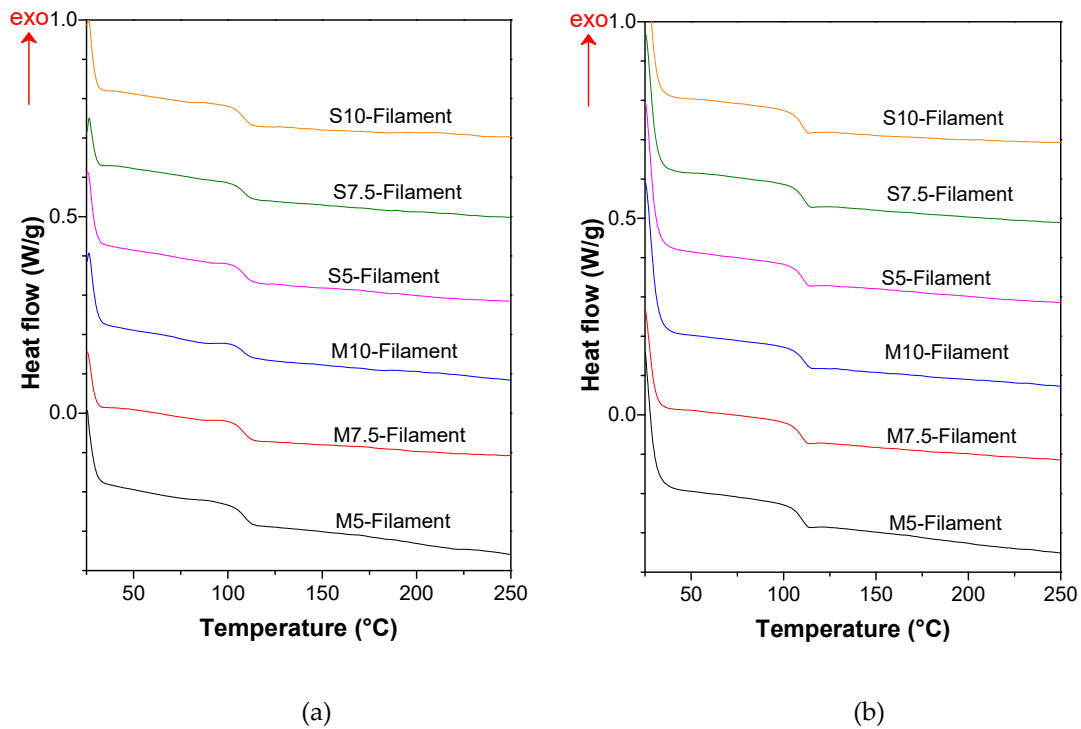


Figure S2. Representative DSC thermograms of ABS/MWCNT and ABS/SWCNT nanocomposite filaments at different filler content between 5 and 10 wt%. First (a) and second (b) heating scan.

Table S1. Melt flow index (280°C, 10Kg) of neat ABS, ABS/MWCNT and ABS/SWCNT nanocomposites at 5, 7.5 and 10 wt% of filler content.

| Samples | Melt flow index (g/10 min) |
|---------------|-------------------------------|
| ABS | 232 ± 19 * |
| M5-Filament | 13.2 ± 4.0 |
| M7.5-Filament | 0.68 ± 0.10 |
| M10-Filament | 0.22 ± 0.07 |
| S5-Filament | 19.9 ± 4.3 |
| S7.5-Filament | 11.1 ± 3.5 |
| S10-Filament | 2.12 ± 0.54 |

*data from Reference [16] Dul, S.; Pegoretti, A.; Fambri, L. Effects of the nanofillers on physical properties of acrylonitrile-butadiene-styrene nanocomposites: Comparison of graphene nanoplatelets and multiwall carbon nanotubes. *Nanomaterials* 2018, 8, 674-693