

Highly efficient and eco-friendly thermal-neutron-shielding materials based on recycled high-density polyethylene and gadolinium oxide composites

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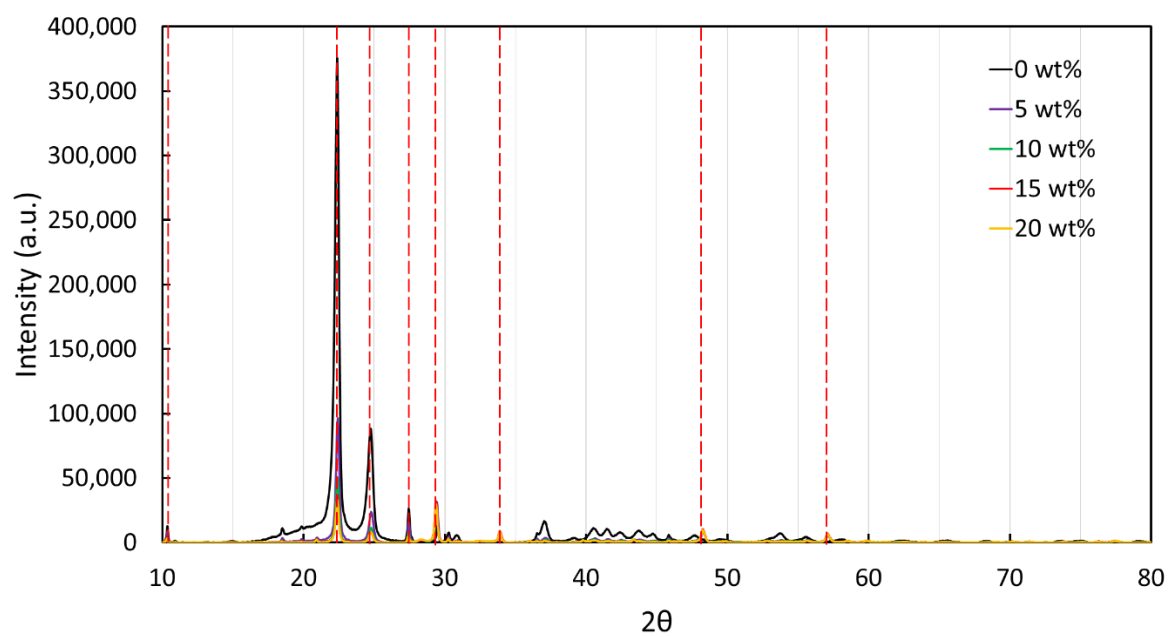


Figure S1. XRD spectra of $\text{Gd}_2\text{O}_3/\text{r-HDPE}$ composites containing varying Gd_2O_3 contents of 0–20 wt%. The dotted red lines represent peak positions used for the calculation of crystallinity.