polymers

MDPI

Supplementary Materials for:

GM-improved anti-aging effect of acrylonitrile-butadiene-styrene in different thermal environments

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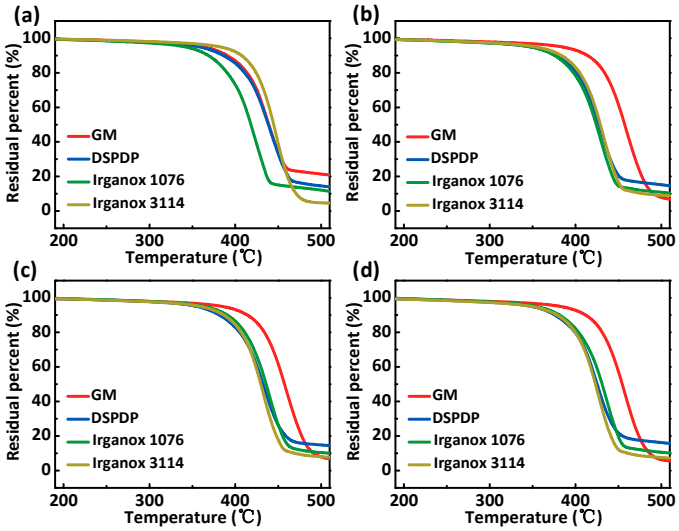

Figure S1. Thermogravimetric analysis (TGA) results for ABS with different additives after different extrusion times: (**a**) the first extrusion; (**b**) the third extrusion; (**c**) the fifth extrusion; (**d**) the sixth extrusion.

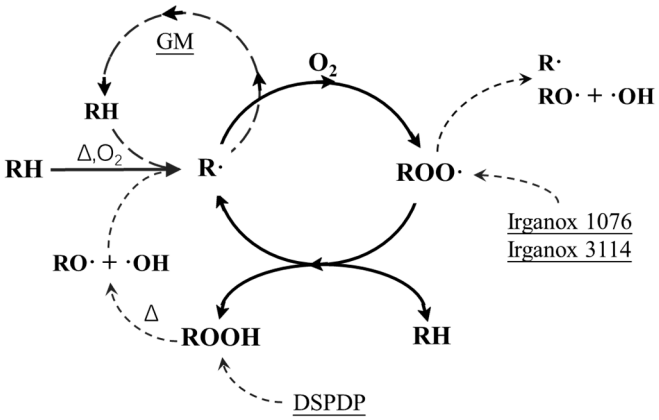

Figure S2. General scheme of thermal-oxidative degradation of ABS resin and its inhibition mechanism by GM, DSPDP, Irganox 1076, and Irganox 3114.

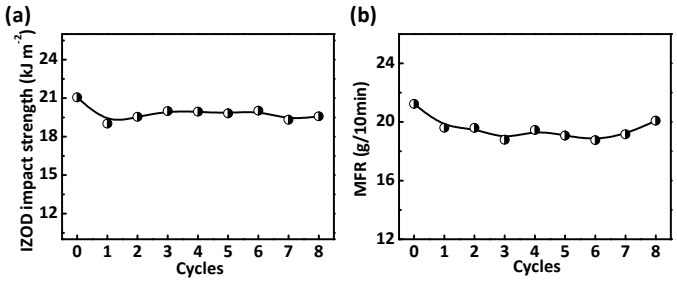

Figure S3. (**a**) Notched impact strength of pure ABS aged by thermal oven. (**b**) Melt flow rate of pure ABS aged by thermal oven.