

Supplementary

Enhancing RDX Thermal Decomposition in Al@RDX Composites with Co Transition Metal Interfacial Layer

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A. Optimal of the Formulation

Table S1. Heat of reaction Al/Co/RDX composites with different oxidant contents measured by oxygen bomb calorimeter.

Al/Co/xRDX	x					
	0	10	20	30	40	50
Heat of reaction (J·cm ⁻³)	6293	10032	12190	12551	12146	9765
				29.77		

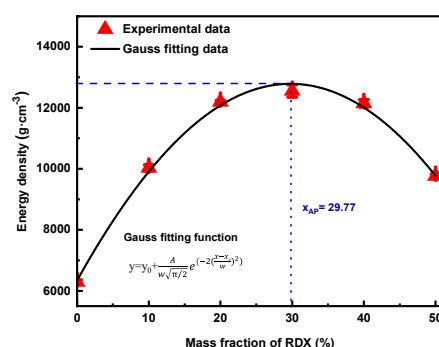


Figure S1. Fitting curves for heat of reaction of Al/Co/RDX composites.

B. The Fitting Curve of RDX Decomposition Reaction Peaks

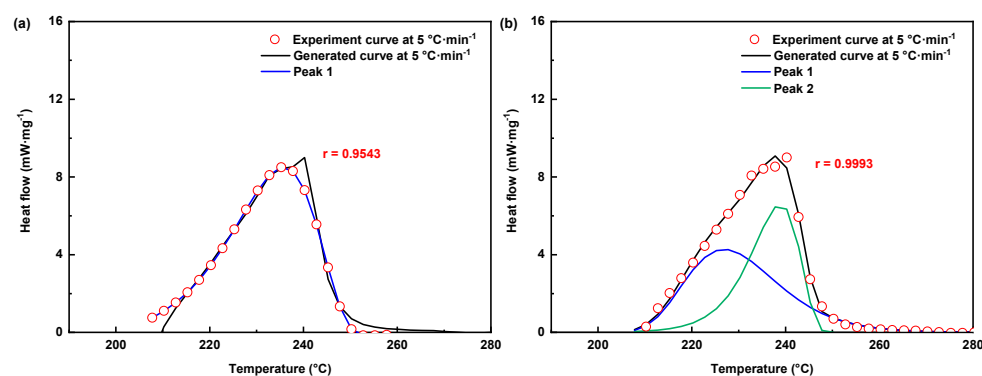


Figure S2. The fitting curve of RDX decomposition reaction peaks includes overlapping reactions of one step (a) and two steps (b).