Support Information

Precursor-derived Mo_2C/SiC composites with a two-dimensional sheet structure for electromagnetic wave absorption

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During 200-400℃ stage, some small molecules in PCS do not participate in cross-linking and curing, and will be removed by gas. From the DTG curve in Figure S1, the quality loss of the attachment is the fastest at 380-390℃ DTG curves, which attributed to the low molecular weight oligomers. In the range of 400-600℃, the PCS molecular chain breaks down to form smaller molecular chain fragments, especially in the 520-500℃ in DTG curve. At 600-800℃, the branched chain in PCS will break and generate methane (CH_4), which derived from the cleavage of -Si-CH_3 on the branched chain of PCS.

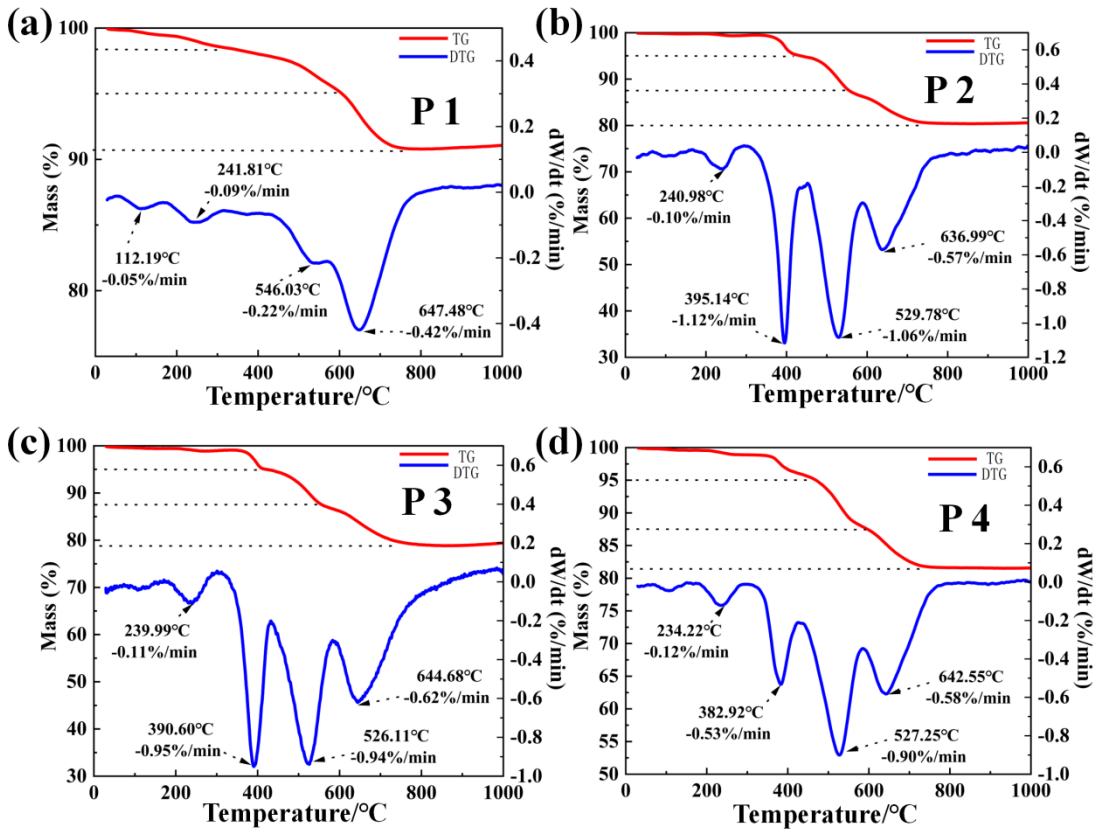


Figure S1 TG and DTG curves of PCS@MoS_2