

Supporting information: Chemically Selective Imaging of C-H Stretching Vibrations With Time-Resolved Coherent Anti-Stokes Raman Scattering (CARS) Microscopy

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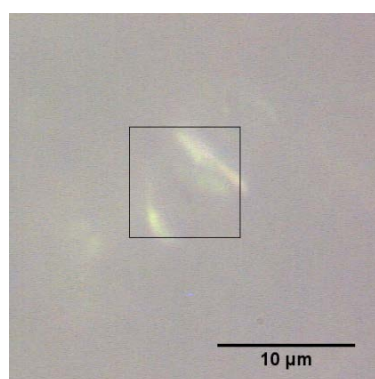


Figure S1. Optical microscope image of om-POSS particle embedded in PP, corresponding to CARS images shown in Figure 3 of the manuscript. The CARS imaged area is shown by the black square.

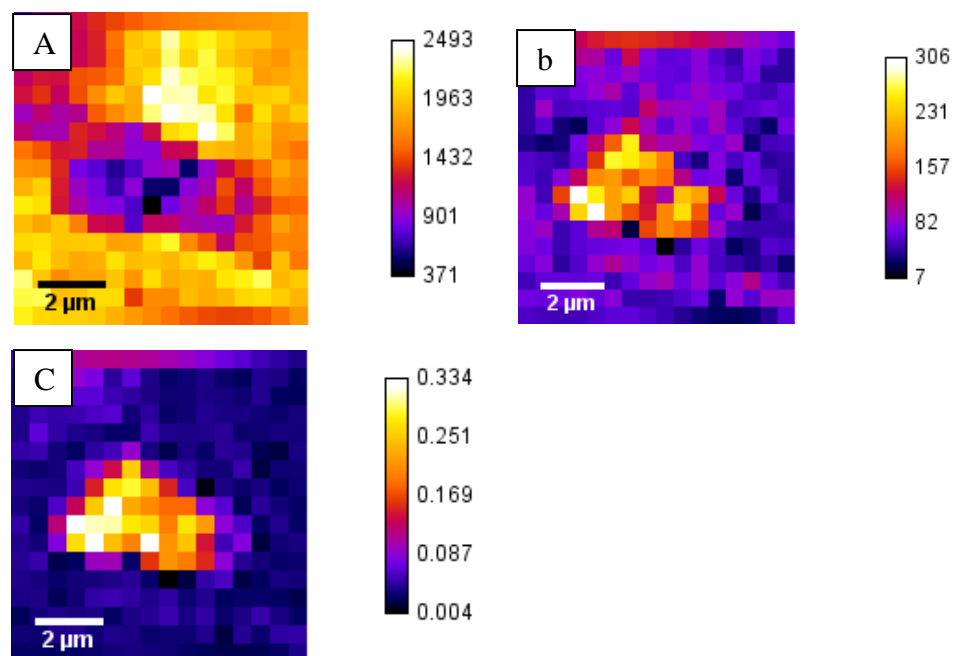


Figure S2. Raw data CARS images of Figure 3 of the main article. Images of om-POSS particle embedded in PP taken at probe delays of (A) 0.080 ps, (B) 0.48 ps and (C) ratio of CARS signals $S(0.48 \text{ ps})/S(0.080 \text{ ps})$.

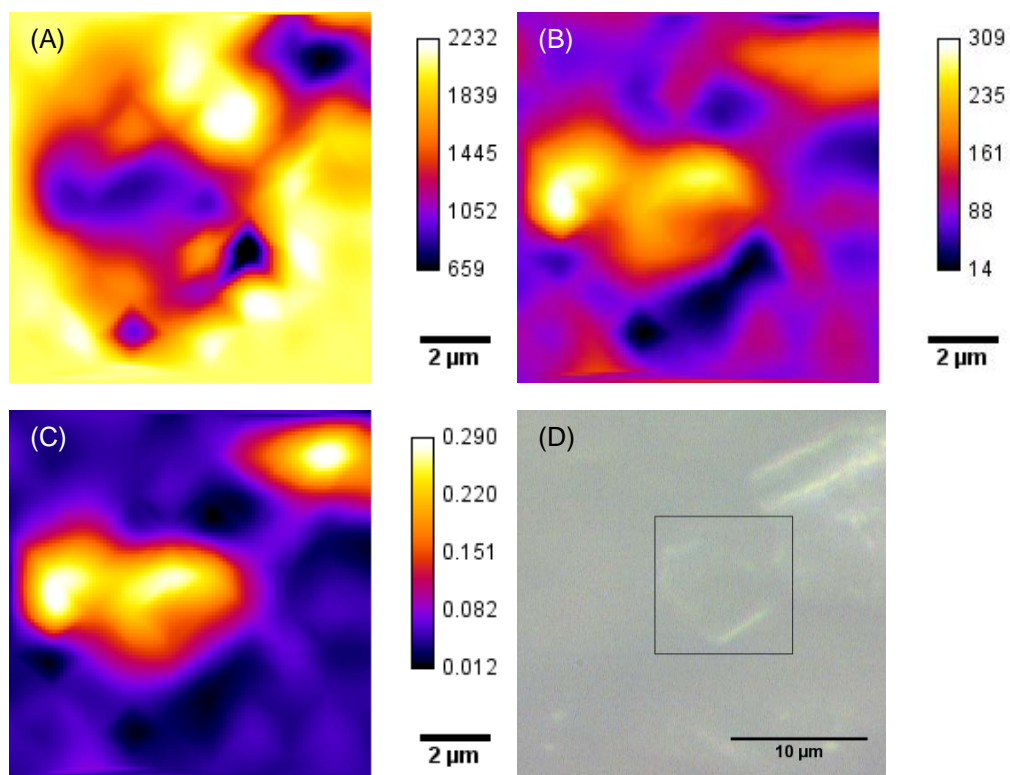


Figure S2. CARS images of an om-POSS particle embedded in PP taken at probe delays of (A) 0.080 ps, (B) 0.48 ps and (C) ratio of CARS signals $S(0.48 \text{ ps})/S(0.080 \text{ ps})$. Step was 1 μm and the data was interpolated for easier visualization (to 0.1 μm step). (D) Optical microscope image, where the CARS imaged area is shown by the black square.