

The additional characterization of the ceramics produced by sintering of polycrystalline detonated nanodiamond ceramics in $\sim 1000^\circ\text{C}$ and 1600°C . As can be seen in the S.I. figure 1 there are substantially no new peaks arising with the increasing sintering temperature, proving the conservation of the primary structure of the sample.

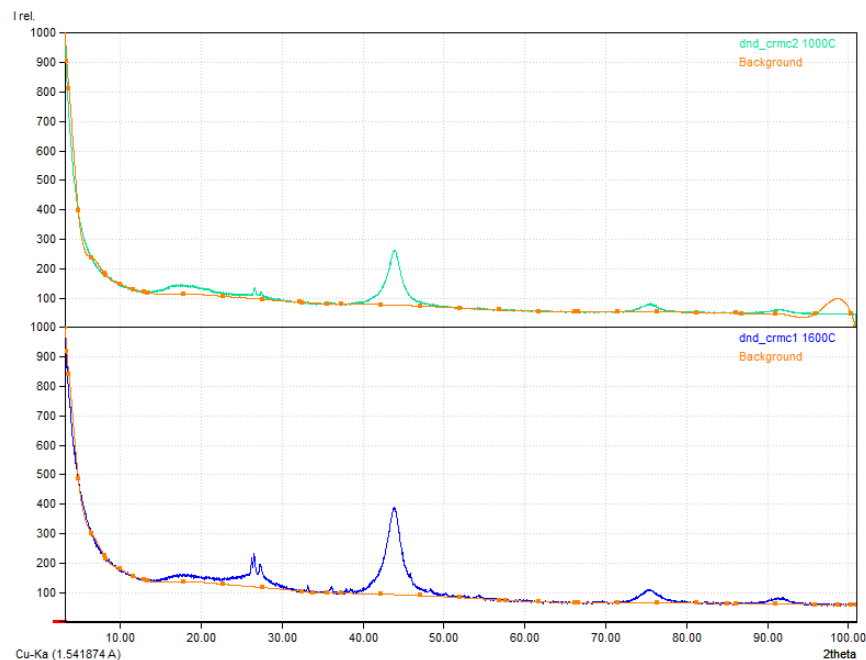


Figure S1. XRD patterns of the detonated nanodiamond ceramic samples: top—ceramic sintered at 1000°C and bottom—ceramic sintered at 1600°C .