

Supplementary Material (1)

Table 1: Sample preparation for electron backscatter diffraction (EBSD)

Step	Condition	Time per condition
Grinding	SiC paper grit: 180, 280, 360, 600	90 s per paper
Polishing	Diamond suspensions 6 μm , 3 μm and 1 μm ; Colloidal silica (OP-S)	12, 8, 8 and 2 minutes respectively
Electropolishing	40 V	2 steps of 20 and 15 s