

Effect of Multi-Directional Forging and Aging Treatment on Wear Properties of ZK61 Alloy

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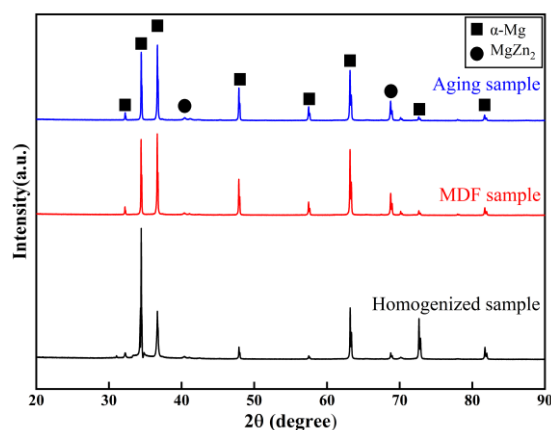


Figure S1 X-ray diffraction patterns of different samples.

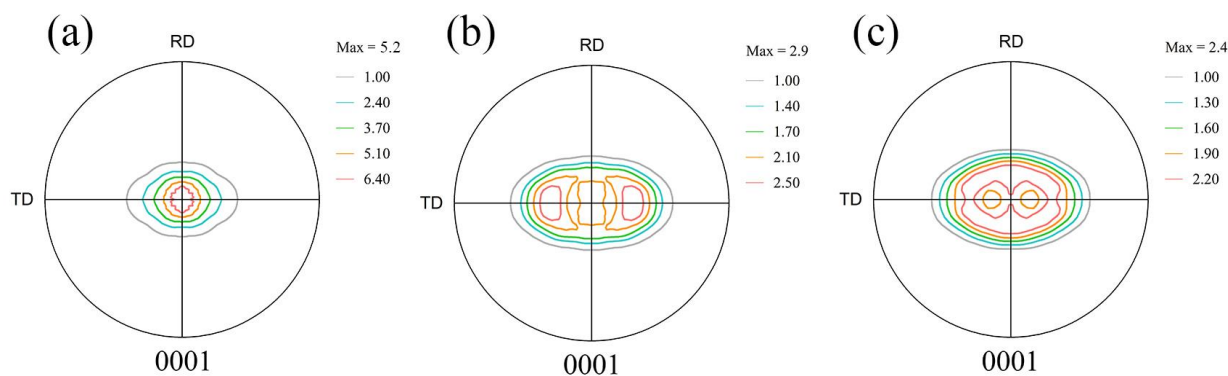


Figure S2 The macro-texture of three samples: (a) homogenized sample; (b) MDF sample; (c) aged sample

Figure S1 shows the X-ray diffraction (XRD) patterns of the experimental sample under the different treatment methods. It is obvious to find that the samples are consisting of Mg matrix and MgZn₂ phases. Because there is no new precipitation in the three samples, it does not impact the tribological properties. Figure S2 shows the macro-texture of three samples, it is found that the change of texture is relatively small. Therefore, the influence of macro-texture on its tribological properties is not analyzed.