

Erratum

Erratum to “Internal fine structures in the high-speed-spun fibers of poly(ethylene 2,6-naphthalene dicarboxylate)”
[Polymer 46 (2005) 1886–1892]

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The publisher regrets that Figs. 1 and 2 and Figs. 4–9 were of poor quality. Higher quality figures are reproduced here.

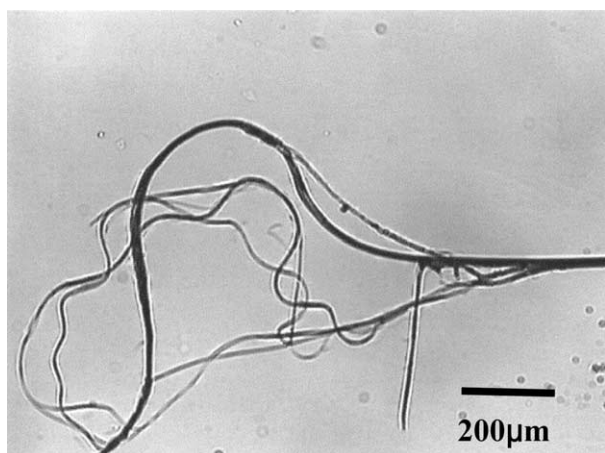


Fig. 1. Optical micrograph of the ultra-HSS-PEN fiber (spun at 10 km/min) which was split by pulling.

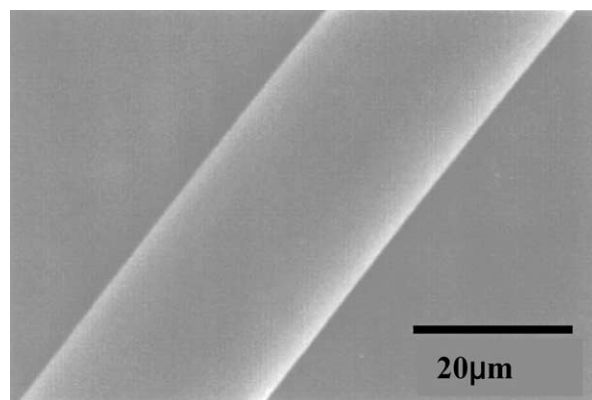


Fig. 2. SEM photograph of the HSS-PEN fiber spun at 6 km/min.

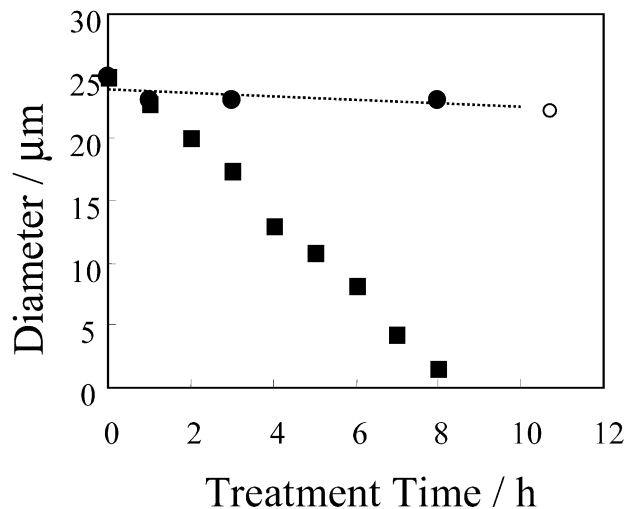


Fig. 3. Relationships between the fiber diameter and the treatment time in alkaline etching of PEN (●) and PET (■) fibers spun at 6 km/min. The symbol, ○, shows the position at which the filament of the PEN fiber began to separate into fibrils.

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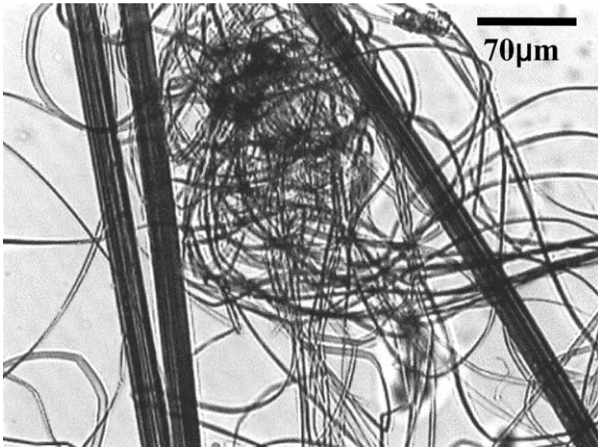


Fig. 4. Optical micrograph of an alkaline-etched PEN fiber (spun at 6 km/min). The treatment time of etching was 12 h.

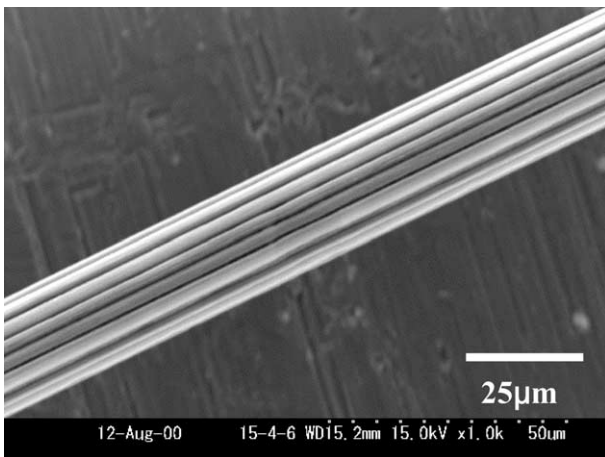


Fig. 5. SEM photograph of an alkaline-etched PEN fiber (spun at 6 km/min). The treatment time of etching was 12 h.

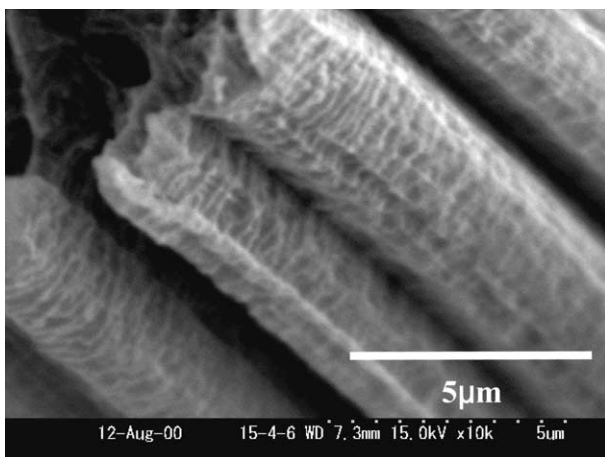


Fig. 6. SEM photograph of an alkaline-etched PEN fiber (spun at 6 km/min). The treatment time of etching was 12 h. This photograph was taken at a much higher magnification than that of Fig. 5.

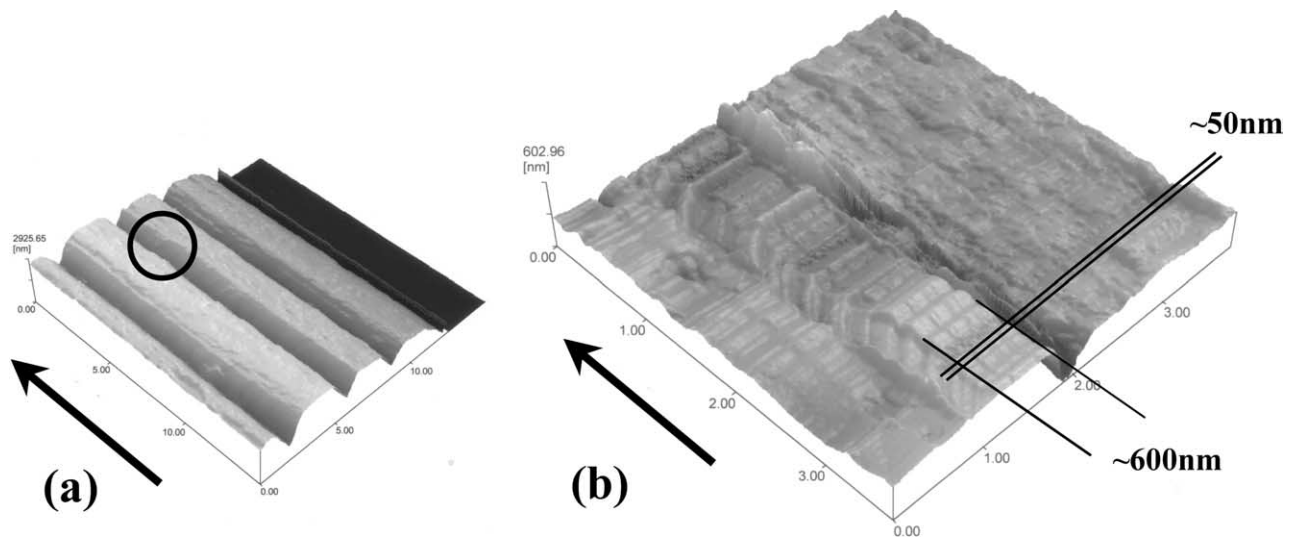


Fig. 7. AFM images of an alkaline-etched fiber (spun at 6 km/min) in different scanning ranges: (a) $15\ \mu\text{m} \times 15\ \mu\text{m}$, (b) $4\ \mu\text{m} \times 4\ \mu\text{m}$. The treatment time of etching was 12 h, (b) is the inclination-corrected image obtained from a highly magnified image of the encircled area in (a). Arrows indicated the fiber axis in (a) and (b).

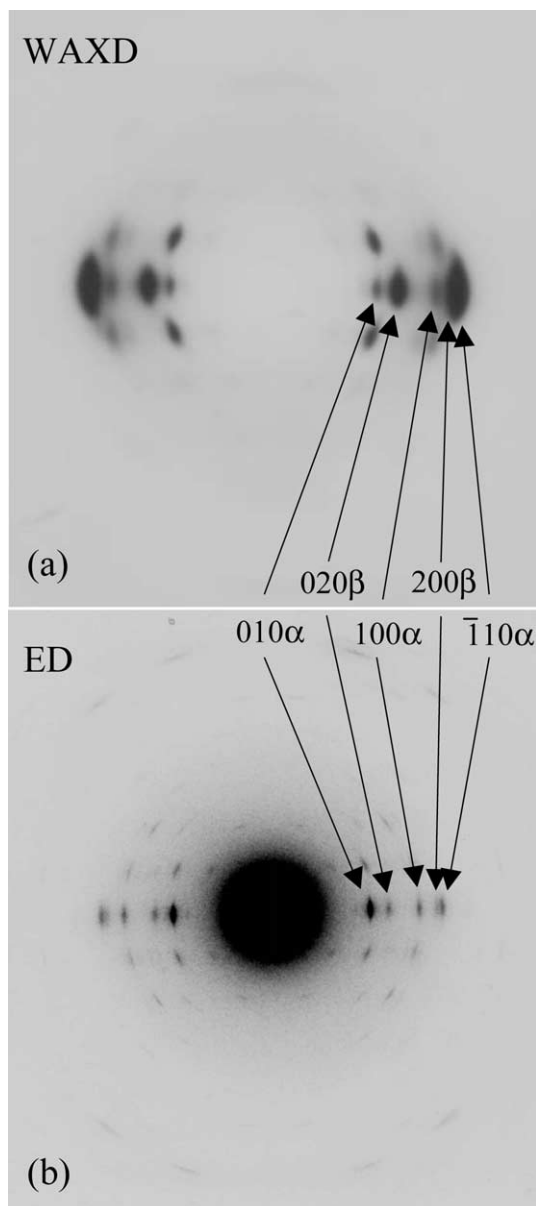


Fig. 8. (a) WAXD pattern (reversed contrast) obtained from the HSS-PEN fiber spun at 10 km/min. (b) Selected-area ED pattern (reversed contrast) obtained from the uniaxially oriented thin film of PEN [26]. In both patterns, the fiber axis is in the vertical direction.

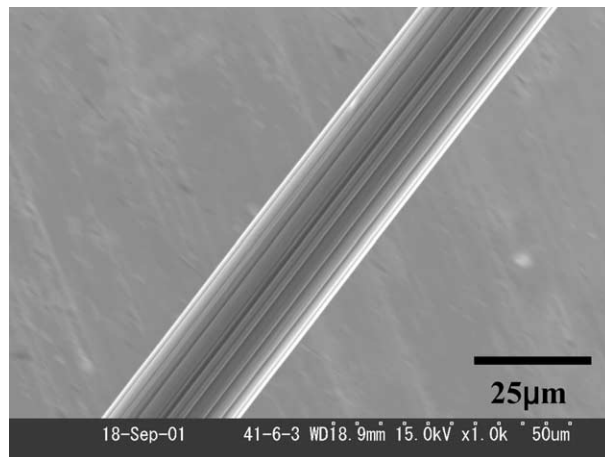


Fig. 9. SEM photograph of a PEN fiber (spun at 6 km/min) which was treated by permanganic etching for 200 min.