

DEFORMATION OF CHRYSOTILE ASBESTOS

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FIG. 7. Sample (D): Automobile brake drum dust after use. (a) Dark field and (b) bright field. This shows that relatively undeformed fibers survive in the brake drum dust. The grain sizes in the dark-field images (a) are comparable to those in the burnishing dust (Fig. 5a) or the UICC samples (Fig. 4a), indicating little deformation during use.

This preliminary study also shows the need to study details of the growth of the chrysotile asbestos and the nature of the defects involved, if all the diffraction and deformation effects are to be understood.

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