

Abstract Submitted
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The Dynamic Behaviour of Filled-Glass D.D. RADFORD¹, K. TSEMBELIS, W.G. PROUD, PCS, Cavendish Laboratory, Madingley Road, Cambridge, CB3 0HE, UK — A series of plate impact experiments has been performed to assess the dynamic behaviour of a filled-glass (Schott SF-57) in both longitudinal and lateral orientations. Information was obtained for the Hugoniot curve and dynamic shear stress properties using manganin gauges. High-speed photography was also utilised to obtain qualitative information on the kinetics of failure. Results are compared and contrasted against published data on other filled-glasses.

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