

Press Release
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nanoLake improves abrasion resistance

Studies of commercially available nano silicon nitride additives in Chlorosulfonated Polyethylene rubber have shown that as little as 0.5% formula weight reduces abrasion by 32% compared with the standard. In developmental formulations the physical integrity of the rubber in terms of hardness, tensile strength, tear resistance and oil absorption characteristics remained unchanged at such low additive levels.

The key to formulating with nano silicon nitride was the choice of coupling agent which encouraged a uniform mono-particle dispersion of the nano particles within the host matrix. Commercialisation of this exciting new technology is in progress. Information on a wide range of commercially available nano powders for use in polymers can be obtained from nanoLake at sales@nanoLake.co.uk , by calling +44 (0) 1527 830458 or visiting www.nanoLake.co.uk .

nanoLake is a Business Unit of Lake Chemicals and Minerals Ltd. a Technical Distribution Specialist located in Redditch, UK. For more information on this article and Lake Chemicals and Minerals Ltd. call Ross Barnes on +44 1527 830580 or contact ross.barnes@lakecm.co.uk .



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