

Synthetic plastic lubricants

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Abstract Grease, the most suitable and widely used plastic lubricant and non-Newtonian product, is a fine dispersion of an oil-insoluble thickening agent- usually a soap- in a fluid lubricant which is generally a mineral oil. Many industrial processes require lubricants having to run at low and high temperatures, at high speeds and in extreme- pressure conditions. The synthetic oils present improved characteristics compared to mineral oils. The new compositions of greases proposed in this paper are formulated with some synthetic oils which confer them higher performances than the mineral oils based greases.

Keywords : Greases, oils, poly- alpha- olefins, diesters, siloxanes.
