





Fig 1.1 Silicones with Amino Functional groups

These amino groups are quaternized to cationic species ( $-\text{NH}_3^+$ ), which have a stronger attraction for the negatively charged fabric. This is particularly for cotton-based fabrics, which carry anionic charges on their surface. This improves deposition, performance and durability of the softener coating. These amino-functional silicones are applied to the textile surface in the form of a micro-emulsion. Micro-emulsions have also excellent shelf stability and allow for higher dilutions with better shear stability.

To be continued...

Wishing you a great week ahead!

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