



PRODUCTS FOR SILICONE ELASTOMERS

HIFILL N better scratch and mar resistance to polymer compounds (PVC, PP, HDPE), and products have superior weathering (UV) characteristics, compared to similar compounds using calcium carbonate and talc.

HIFILL N allows for formulation and processing cost reduction while not adversely impacting the products' physical properties and durability.



THE SMARTER AND SAFER DURABLE FILLER FOR SILICONE ELASTOMERS

HIFILL N (Nephylene Syenite) is a mineral filler with **no detectable crystalline silica** that offers high compressive strength, dielectric and heat conductivity similar to crystalline and microcrystalline silica, but with **improved industrial hygiene**- a safer solution for silicone elastomers.

Formulators have been adopting low crystalline silica HIFILL N due to stricter OSHA regulations on free crystalline silica.

Additional benefits of Nepheline Syenite in Silicone Elastomers:

- HIFILL N produces cleaner colors and is less yellow than silica.
- FDA approved for indirect food content (up to 50% in the final product).
- HIFILL N is available in a wide range of particle sizes to match the particle size distribution (PSD) of silica with equal and often better physical properties.

SILICA EXPOSURE

On June 23, 2016, the new OSHA rule regulating respirable crystalline silica became effective.

Specific requirements for general industry/maritime and construction, as well as a new more protective exposure limit, were published and will take effect following two separate time lines. 29 CFR Part 1910.1053 applies to general industry/maritime and 29 CFR Part 1926.1153 applies to construction.

For more information go to: [OSHA Final Silica Rule Page](#), or [NIOSH Silica Page](#)