A Safe, Functional Filler for Elastomers

NYCO’s wollastonite grades are commercially used in many elastomers including gaskets, belts, plugs, o-rings, seals, and molded parts for improved physical properties and/or reducing costs compared to competitive fillers.

To improve properties by application requirements, NYCO has a portfolio of products from low to high aspect ratio wollastonite which range in surface area, brightness, and particle size distribution. All of NYCO’s grades have excellent dispersibility which is critical for highly filled systems and low shear mixes. In addition, NYCO offers a variety of custom chemical modifications that can further enhance properties and performance.

### Wollastonite Benefits

- Lowers raw material costs
- Improved flex and fatigue
- Excellent tensile and compression strength
- No moisture uptake – resistance to moisture
- Stable at high processing temperatures

- Lowers viscosity
- Increased tear and abrasion resistance
- Reduction in heat build-up
- Longer product life
- Excellent flame retardant properties

### Typical Loading Levels (By Weight Percent)

#### Lowers cost, improves reinforcement

- **Untreated – Low Aspect Ratio**
  - NYAD® 400/M400, NYAD® 1250/M1250

#### Recommended for fluoroelastomers

- **Chemically Modified – Low Aspect Ratio**
  - 400 WOLLASTOCOAT/M400 WOLLASTOCOAT
  - 10 WOLLASTOCOAT/M1250 WOLLASTOCOAT

#### Provides the highest reinforcing properties

- **Untreated or Chemically Modified High Aspect Ratio**
  - NYAD G, NYAD MG, NYGLOS 12, ASPECT 4000

### Key Properties of Wollastonite (CaSiO₃)

- Acicular structure
- White, high brightness
- Low water solubility
- High melting point
- Safe, naturally occurring

This data contains general information and describes typical properties only. It is offered for use by persons qualified to determine for themselves the suitability of our products for particular purposes. No guarantee is made or liability assumed, the application of this data and the products described herein being at the sole risk of the users.

For additional information, please contact info@nycominerals.com

www.nycominerals.com