

MAGRIS TALC – MISTRON® TALC

Natural and surface treated talc series for rubber and wire & cable applications

MISTRON® Talc Series products are functional minerals, not simple fillers. MISTRON® VAPOR products provide the rubber formulator with flexibility to balance the benefits of improved process ability with higher product performance. MISTRON® VAPOR products occupy a unique position in the rubber industry and have been used successfully for more than 50 years.



SEM image of Mistron® Vapor @ 2000 magnification

Processing Aid providing

- Reduced Mixing Times
- Lower Compound Viscosities
- Reduced Heat Generation
- Dimensional Stability
- Improved Extrusion Rate and Quality
- Better Dispersion of Reinforcing Fillers
- Reduced Elasticity / Nerve
- Higher Green Strength

Reinforcement improving

- Tensile Properties
- Tear Properties
- Fatigue Performance
- Flaw Resistance
- Improved Thermal Performance
- Superior Weathering

MAGRIS TALC series

ARTIC MIST®, CIMPACT®, JetWhite®, JetFill®, JetFill®M, MAGRIS TALC MISTRON®, NICRON®, SIERRALITE®, SILVERLINE®, STELLAR®, VERTAL®, YELLOWSTONE®

MISTRON® VAPOR is an ultra-fine, micro-lamellar, highly pure, hydrated magnesium silicate specifically developed for the rubber industry. Its platy morphology, organophilic nature, high aspect ratio and surface area result in superior reinforcement and rheology plus permeability resistance for thermoset rubbers.

Dosage dependent on the intended use

Packaging bags à 20 kg net / 22.68 kg (50 lbs) / BigBag 907 kg (2000 lbs)

Contact In case of questions, please contact
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Further information on use, properties and incorporation of this product is available on request.



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This product is not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. In accordance with EC directives or respective national laws, the product does not need to be classified.

| Product | Form | Application | Benefits | D50 sedigraph [µm] | D98 sedigraph [µm] | Bright ness [GEB] |
|--|--|--|--|--------------------------|--------------------------|-------------------------|
| SILVERLINE® 002 | natural white powder, bags | Dusting, release agent talc | Excellent partitioning low cost agents | 8,4 | 55 | 75 |
| VERTAL® 92 | natural white powder, bags | Dusting | Powdering, cable layer insulation | 17,5 | 45 | Y72 |
| VERTAL® 97 | natural white powder, bags | Dusting | Powdering, cable layer insulation | 15 | 50 | Y72 |
| MISTRON® VAPOR R | natural white powder, powder or compacted, bags | Non-black compounds, EPDM roofing, MRG, hoses, weather stripping | Processability, reinforcement, durability and toughness | 2,2 | 31 | 86 |
| MISTRON® VAPOR RE | natural white powder, powder or compacted, bags | black compounds, window seals, MRG | Processability, reinforcement, durability and toughness | 2,2 | 31 | 80 |
| MISTRON® VAPOR ULTRA | natural white powder, powder or compacted, bags | black compounds, window seals, MRG | Processability, reinforcement, durability and toughness. Improve extrudate surface quality, enhanced elongation at break | 2 | 12 | 88 |
| MISTRON® CB* | surface treated, powder, bags | Medical stopper, MRG, hoses, seals and gaskets, printed circuit boards | High modulus and good compression set | 2,2 | 31 | 86 |
| MISTRON® CB6* | surface treated, powder, finer and densified, bags | Medical stopper, MRG, hoses, seals and gaskets, printed circuit boards | High modulus and good compression set | 2 | 25 | 88 |
| MISTRON® HYPERPLATE™ | delaminated talc, extreme lamellar, bags | Tire inner liners automotive, fuel and hydraulic hoses | Superior permeability resistance, flex fatigue, long life, fire retardancy | 1,2 | 8 | 80 |
| MISTRON® HYPERPLATE™ Ultra | delaminated talc, extreme lamellar, bags | Tire inner liners automotive, fuel and hydraulic hoses | Superior permeability resistance, flex fatigue, long life, fire retardancy | 1,5 | 10 | 83 |
| MISTROFOAM®* | surface treated, powder, bags | Wire & cable insulation, MRG, hoses, seals, foamed polymers | High modulus and good compression set, Improved water resistance, and electrical properties in wire & cable | 2,2 | 31 | 82 |
| MISTRON® ZSC* MISTRON® TZ2* | surface treated, powder, bags | Wire & cable insulation, MRG, hoses, seals, gaskets | High modulus and good compression set, higher dielectrical strengths | 2 | 25 | 87 |
| MISTROPHOBE* <small>* = surface treated</small> | surface treated, powder, bags | Wire & cable insulation, MRG, hoses, seals, gaskets | Reactive chemistry with unsaturated cure system, that enhances hydrophobicity | 2 | 26 | 88 |