Chimiaran Co.

# *Manufacturer of polymer additives and PVC stabilizers*

## Lubricants

| Product code | Product name | Feature✻ | Moisture(%) | Drop melting point(˚c) | Density (gr/cm$^3$) | Application |
|---|---|---|---|---|---|---|
| GH304LCS | Calcium stearate | Internal lubricant | 3 max | 150±5 | 0.14±0.02 | Lubricant, mold release agent in plastics and rubber industries |
| GH304HCS | Calcium stearate | Internal lubricant | 3 max | 150±5 | 0.30±0.02 | Lubricant, mold release agent in plastics and rubber industries |
| GH305LZS | Zinc stearate | Internal lubricant | 3 max | 125±5 | 0.13±0.02 | Lubricant, mold release and suspending agent in paint and coating, plastics and rubber industries |
| GH305HZS | Zinc stearate | Moisture free | 0 | 125±5 | 0.48±0.02 | Lubricant and mold release agent in masterbatches, plastics and rubber industries |
| GH305RZS | Zinc stearate | High heat stability | 0 | 125±5 | 0.48±0.02 | Lubricant and mold release agent in composite and advanced polymers |
| GH308NLS | Lead stearate | Lubricant Stabilizer | 1 max | 110±5 | 1.30±0.02 | Lubricant and thermal stabilizer in plastic industries |
| GH403ACD | Stearic acid | Plastic grade | - | 57-60 | 0.83±0.02 | Polymer industries |
| GH360WAX | Polyethylene wax | Flake form | 5 max• | 105±5 | 0.88±0.02 | White masterbatches, PVC stabilizers, PVC products and other polymer industries |
| GH361WAX | Polyethylene wax | Flake form | 2 max• | 110±3 | 0.92±0.03 | White masterbatches, PVC stabilizers, PVC products and other polymer industries |
| GH363WAX | Polyethylene wax | Yellowish Flake form | 4 max• | 105±5 | 0.90±0.02 | Dark masterbatches, PVC products and other polymer industries |
| GH366WAX | Polyethylene wax | Powder form | 2 max• | 110±3 | 0.92±0.03 | White masterbatches, powder form of PVC stabilizers and other polymer industries |
| GH368WAX | Polyethylene wax | Flake form | 4 max• | 105±5 | 0.88±0.02 | Dark masterbatches, PVC products and other polymer industries |

## Pigments

| Product code | Product name | Form | Color | Mesh | Application |
|---|---|---|---|---|---|
| GH401BLU | Blue pigment | Powder | Blue | 325 | Pigment for polymer industries |
| GH402TIO | Rutile titanium dioxide | Powder | White | 325 | Pigment for polymer industries, bring long-term optical stability |
| GH406WHI | Whitening agent | Powder | Blue | 325 | Bring snow-white color in polymer industries |
| GH411OBT | Optical brightener | Powder | Yellow green | 200 | Plastic industries |

## Other additives

| Product code | Product name | Base | Ash content(%) | Apparent density(gr/lit) | Application |
|---|---|---|---|---|---|
| GH404IMP | Impact modifier | Chlorinated Polyethylene(CPE) | 5 max | 500 min | Increasing impact resistance in rigid PVC industries, increasing production speed |
| GH405AID | Processing aid | Acrylic | 1 max | 360-500 | Accelerating fusion, increasing the product's gloss, homogeneity and production speed in rigid PVC industries |
| GH407ACR | Impact modifier | Acrylic | 1 max | 390 min | Increasing impact resistance and the production speed in rigid PVC industries, Resistant to weather conditions |
| GH408TBL | Tribasic lead sulfate | Lead | 97±1 | 1600±100 | All PVC industries |

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● volatile matter

Orange rows are not Chimiaran`s production.

✻ PVC resin is considered for determination of internal or external lubricity factor.

## UPVC pipe and fitting stabilizers

| Product code | Base | Form | Color | Heat stability | Lubricity | Ash content(%) | Application |
|---|---|---|---|---|---|---|---|
| GH104PPW | Lead | Flake | White | | | 30±1 | Pipe with low & medium filler |
| GH105PPW | Lead | Flake | White | | | 28±1 | Pipe with high filler |
| GH130PPW | Lead | Flake | White | | | 35±1 | Pipe with high & medium filler (economic grade) |
| GH133PPW | Lead | Flake | White | | | 35±1 | Pipe with low & medium filler, high gloss |
| GH135PPW | Lead | Flake | White | | | 30±1 | Pipe with high & medium filler |
| GH136PPW | Lead | Flake | White | | | 30±1 | Pipe with low filler |
| GH157HFW | Lead | Powder | White | | | 56±1 | Rigid part of heliflex pipes |
| GH110DRA | Lead | Powder | White | | | 53±1 | Corrugate & drainage pipes |
| GH143ZAP | Lead | Powder | White | | | 48±1 | All sizes of fittings with accelerating fusion function |
| GH145ZAP | Lead | Powder | Gray | | | 48±1 | All sizes of fittings with accelerating fusion function |
| GH148ZAP | Lead | Powder | White | | | 58.5±1 | All sizes of fittings |

## UPVC profile stabilizers

| Product code | Base | Form | Color | Heat stability | Lubricity | Ash content(%) | Application |
|---|---|---|---|---|---|---|---|
| GH101PFW | Lead | Flake | White | | | 30±1 | Simple & technical profiles |
| GH121PFW | Lead | Flake | White | | | 29±1 | Simple & technical profiles |
| GH122PFW | Lead | Flake | White | | | 30±1 | Simple & technical profiles, edge banding |
| GH109PFW | Lead | Powder | White | | | 54±1 | Window profiles |
| GH162PFB | Lead | Powder | Blue | | | 46±1 | Window profiles with snow white color |
| GH721CZP | Calcium/Zinc | Powder | White | | | 24±1 | Simple & technical profiles (hygienic grade) |
| GH761CZP | Calcium/Zinc | Powder | Blue | | | 25±1 | Window profiles (hygienic grade) |
| GH111WPC | Lead | Flake | White | | | 28±1 | PVC-wood plastic composites |

## Plasticized PVC stabilizers

| Product code | Base | Form | Color | Heat stability | Ash content(%) | Application |
|---|---|---|---|---|---|---|
| GH201BCP | Barium/Cadmium | Powder | White | | 42.5±1 | Non transparent plasticized PVC artifacts |
| GH206BCP | Barium/Cadmium | Powder | White | | 31±1 | Non transparent plasticized PVC artifacts |
| GH203BLP | Barium/Lead | Powder | White | | 28±1 | Transparent plasticized PVC artifacts |
| GH207BLP | Barium/Lead | Powder | White | | 28±1 | Transparent plasticized PVC artifacts |
| GH209BLP | Barium/Lead | Powder | White | | 28±1 | Transparent plasticized PVC artifacts (odorless) |
| GH801CZP | Calcium/Zinc | Powder | White | | 52±1 | Non transparent plasticized PVC artifacts (hygienic and economic grade) |
| GH220CBL | Lead | Powder | White | | 59±1 | Sheathings, wire insulations & cables (high lubricity) |
| GH221CBL | Lead | Powder | White | | 72.5±1 | Sheathings, wire insulations & cables (low lubricity) |
| GH820CZP | Calcium/Zinc | Powder | White | | 50±1 | Sheathings, wire insulations & cables @ 70 ˚C (hygienic grade) |
| GH824CZP | Calcium/Zinc | Powder | White | | 53±1 | Sheathings, wire insulations & cables @ 70 , 90 and 105˚C (hygienic grade with low lubricity and long thermal stability) |