



Corporate Sketch

Aethon Plastics is engaged in exporting and manufacturing various types of thermoplastic masterbatches & polymer compounds. The company has vast experience in organic and inorganic chemicals. Since its inception, the company has been providing an advanced level of solutions to the plastic processing industries ever-changing and challenging needs. Its brand product - 'Aethon' - masterbatches are custom-made for PE/PP/HDPE/H M HDPE/HIPS polymers. The product range also includes additive masterbatches viz. Antistatic Masterbatches, Nucleating Masterbatches, UV Masterbatches, Slip Masterbatches and Optical Brightener Masterbatches.

Vision

Become a leading manufacturer of color concentrates and additive masterbatches.

Mission

Envisioning quality and reliability, Aethon aims at achieving the highest level of customer satisfaction through its solutions with the commitment for excellence in the sphere of business.

Infrastructure

Aethon Plastics has a state-of-the-art manufacturing facility at RAS-AL-KHAIMAH, UAE. The facility is equipped with ultra modern machinery. Right from it's inception, the company's high-tech research laboratory which has been the nerve center of the organization.





Quality Assurance

The company adheres to stringent quality norms for all the processes. The company used high quality raw material that we compatible to the latest machinery and production process. All masterbatches are manufactured on the most sophisticated and modern continuous compounding line ensuring maximum degree of blending and dispersion without the problem of contamination.

Products

Aethon Plastics offers following types of masterbatches:

- General purpose Masterbatches
- Universal Masterbatches (special for only engineering thermo plastic)
- Filler Masterbatches

Aethon Plastics also offers customized masterbatches with any other shade as per client requirement.

Advantages

- Exceptional dispersion
- Excellent processibility
- Better production flexibility
- Cost savings due to low addition levels





White Masterbatches

Aethon® white masterbatches are TiO₂ filled masterbatches with various loading and specified polymer as per application requirement. We offers over 35 grades of white masterbatches with various types of application as per the customer's requirement. Aethon® white masterbatches are available with different loading of TiO₂ from 30% to 75%.

Properties

- Improves mechanical & physical properties
- Improves printability
- Good dispersion at higher level of loading
- Improve UV protection against sunlight
- Avoid degradation and provides good thermal stability
- Excellent smoothness & glossy surface

Application

- Films - HM-HDPE thin gauge films, multi & mono layers films, BOPP films & high thickness films
- Roto Moulding, Injection Moulding, Blow Moulding & Thermoforming.

Colour Masterbatches

Aethon plastics produces more than 250 standard colour shades including universal masterbatches which are used specially for engineering thermoplastic masterbatches, general purpose masterbatches, flurocent colors masterbatches, metallic colour masterbatches and custom-made shades as per customer's requirement.

Properties

- Good dispersion
- Excellent light fastness
- Low addition level
- Suitable at higher temperature processing

Application

- Household products
- Thermoplastic products

Black Masterbatches

Aethon® black masterbatches are ~~made with finer~~ particle size of carbon black pigment and state-of-the-art machinery which gives excellent carbon black dispersion and highest jetness value.

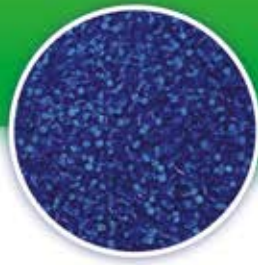
Properties

- Good process ability
- Excellent dispersion
- Highest jetness value
- Glossy surface
- Flow additional level

Applications

- Films - Below 15 to 40 microns, garbage bags, irrigation pipes, drainage pipes
- Woven sacks - Raffia tapes, lamination, tarpaulins, roto-moulded tanks and blow moulding





Additives Masterbatches

UV Stabilizer

It is available in PE / PP base with 10 to 20% loading UV stabilizer. These masterbatches are base with on HALS type active hindrance.

Properties

- Maximum protection against sunlight degradation
- Improves the process ability
- Avoids discoloration
- Stabilize the mechanical & elongation properties
- Increase durability of products

Application

- Agri films
- Raffia tapes
- Water tanks
- Moulding
- Films
- Extruded pipes

Antislip Agent

These masterbatches are based on erucamide fatty acid group's additives. It is 5% additive.

Properties

- Low co-efficient of friction
- Improve thermal stability

Application

- Extrusion films for high speed operation.
- Can be Used from 0.5% to 2.0%



Antioxidant

This masterbatch prevents hydro-carbon oxidation of polymers. It is based on Phenol and Organic Phosphates and primary & secondary oxidant.

Properties

- Prevent degradation & oxidation of polymer during the process
- Used as process stabilizer & heat resistance for sensitive material

Application

- All types of polymer processing.
- Can be Used from 0.5% to 2.0%

Plastic Processing Aid

This masterbatch is based on fluoro polymer which imparts lubricants and coating on extrusion.

Properties

- Improves flow properties from which production can be increased
- Improves the gloss on film surface
- Processes at a low temperature

Application

- Multilayer films, extruded pipes, moulded articles.
- Can be Used from 0.2% to 0.5%





Antistatic Agent _____

This masterbatch is based on oleo chemical derivatives.

Properties _____

- Prevents the electrostatic charge build up during processing and also on the plastic products
- Good balance of conductive, mechanical & flow properties

Application _____

- Electronic components films, automotive industries belts, house holds.
- Can be Used from 2.0% to 5.0%

Antiblock Agent _____

This masterbatch is based on ultra-fine & clean inorganic material.

Properties _____

- Reduces blocking tendency of two film surfaces in contact with each other.
- Easy to disperse

Application _____

- Multilayer films, extrusion, injection moulding
- Can be Used from 0.5% to 3.0%

Nucleating Agent _____

High performance organic - Derivatives based additive masterbatch.

Properties _____

- Polyolefin-based end products such as disposable syringes, films, containers, barrels etc
- Reduces haziness & clarity of products
- Provides stiffness and surface smoothness
- Thermally stable during process

Application _____

- Extrusion, tape, raffia, medical devices, instrument boxes etc.
- Can be Used from 2.0% to 5.0%

Optical Brighteners _____

This masterbatch batch is based on concentrated brighter chemical.

Properties _____

- Bluish brightness
- Increases smoothness of surface
- Improves glossy appearance
- Reduces dullness
- Improves optical properties

Application _____

- Mono and multilayer films, filaments, all extruded products and carry bags etc.
- Can be Used from 0.3% to 1.0%





Shutdown Masterbatch

This masterbatch is specially designed for usage during shutdown of the extrusion process.

Advantages

- Remove all Particles from screw & barrel
- Next day, You will not find any black particles on the article.
- Clean screw & barrel from running colour.

Antifab filler

Antifab filler is manufactured using micro particles of natural, fine and easy to disperse mineral with special dispersion additives. It is specially produced for raffia tape film, lamination & liners etc.

Aethon Plastics masterbatches manufacture Antifab Filler in following compounds:

Star Milky Fillers 014,015,018

Star Natural Fillers 011,012,013

Lamination Filler 020

Raffia Tapes Filler 021

Coloured Tint Fillers

1) Star Milky Fillers

- Improves output process ability
- Improves opacity
- Reduced wear & tear of screw, barrel and die
- Provides smoother & glossier surface



2) Polyclean Purge Masterbatch

This masterbatch is to be used, when you need to change the colour for your process. After extrusion process, if you want to change the colour, then add 10 kg to 20 kg polyclean purge Masterbatches, and it will clean the screw barrel.

Advantages

- Saves the virgin polymer
- Saves your valuable time.
- You can reuse the used material in the next process.

3) Raffia Tape Filler

- Improves winding of tapes
- Improves natural clarity
- Stabilizes colour concentration with colour masterbatches
- Improves output by improving bonding
- Improves thermal stability
- Provides stiffness to the end products





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