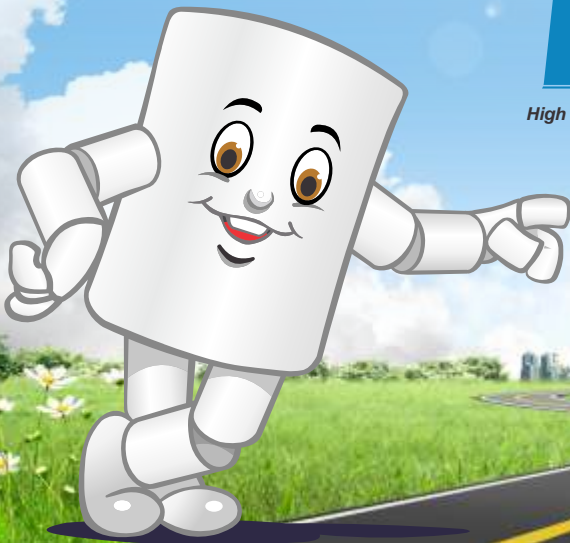




Plast

High Performance Industry Specific Masterbatches



Path to a Green Revolution

Trust Plast Masterbatches For Consistent Quality

WELCOME TO BAJAJ SUPERPACK

Bajaj Superpack established their masterbatch business in 1988 and produces high quality masterbatches. Bajaj Superpack has large fully supported production facilities for manufacture of high quality masterbatches for numerous applications. Bajaj Superpack has large fully integrated production facilities in respect of manufacturing of high tech specialty masterbatches, polymer compounds for plastic industries etc. having capacity of 60,000 MTA. They are supported by highly equipped laboratories as well as cutting edge facilities. Moreover Bajaj Superpack places emphasis on high health and safety standards and has high commitment to protecting the environment.

- Bajaj Superpack endeavours to serve the industry with optimum quality, latest products available in the market at the most competitive pricing. It provides different range of Calcium Carbonate, Talc, Masterbatches and TiO₂ based White Masterbatch, UV as well as specialty masterbatches. All grades are well accepted & adopted by various plastics processing industries.
- Bajaj Superpack Masterbatches achieves the highest global standards for quality, service & performance. Its focus on latest technology enables improvement in productivity and reduction in material costs.
- Continuous R&D in Bajaj Superpack has resulted in introduction of new generation products.
- Bajaj Superpack constantly works towards developing a wider range of cost effective solutions for its valuable customers so as to give maximum value to their products & business.
- Bajaj Superpack has the most trusted name which improves polymer process economics and product quality.

▶ Product overview



▶ Loading 15% to 30%



Application & addition rate

Plast White Masterbatches is produced specially targeting PP/HDPE woven fabrics & sacks application. But owing to its versatility, it is also used for other applications such as cast films, blown films & injection moulding. Plast White offers several benefits and technological advantages. It is extremely cost effective. By adding Plast White Masterbatch the output from extruders found increases by 8 to 10 % resulting into considerable saving on energy charges as well as operating costs.

Plast White addition with the polymer improves thermal stability and reduces flow variations. It imparts stability to processed tapes.

Plast White is offered in various grades as per the customers different applications & requirements. Plast White also offered in various tones to give a tinge to the fabric/sack. The recommended rate of addition is 15 to 30 % with polymer by weight. Pre- heating of Plast White gives more improved results. Loading of product is dependent on machine & climatic condition.

PERFORMANCE CHARACTERISTICS

- Excellent anti-fibrillations
- Improves control on denier of tapes
- Improves anti-slip property
- Improves tenacity of tapes
- Improves cloth stability
- Improves printability
- Improves heat resistance
- Improves productivity
- Improves whiteness, hence saving of pigment
- Anti-blocking effect
- Less abrasive to extruders and loom parts
- Reduces total cost
- Extends life of screen / filter



Non Toxic and Environment Friendly

Plast White : Basic chemicals / additives incorporated in the grade confirms that the material is suitable for food grade, is non hazardous and non-toxic.



▶ Loading 15% to 35%



Application & addition rate

Plast Stiff Masterbatches is a special masterbatch produced for PP/HDPE woven fabrics application for better strength & stiffness especially in low denier fabrics. Plast Stiff gives the uniform flow to the film. It offers several benefits and technological advantages. It is extremely cost effective. By adding Plast Stiff Masterbatch the outputs from extruders found increase by 8 to 10% resulting into considerable saving on energy charges as well as operating costs. Plast Stiff addition with the polymer improves thermal stability and reduces flow variations. It imparts stability to processed tapes.

The recommended rate of addition is 15 to 35% with polymer by weight. Pre-heating of Plast Stiff gives more improved results. Loading product is dependent on machine and climatic conditions. Loading of product is dependent on machine & climatic condition.

PERFORMANCE CHARACTERISTICS

- Excellent anti-fibrillations
- Improves dimensional stability
- Improves stiffness
- Improves cloth stability & printability
- Improves heat resistance
- Improves flexural rigidity
- Improves productivity
- Anti-blocking effect
- White pigment saving
- Reduces raw material cost
- Friendly for all Polypropylene
- Does not reduce strength and elongation



Non Toxic and Environment Friendly

Plast Stiff : Basic chemicals / additives incorporated in the grade confirms that the material is suitable for food grade, is non hazardous and non-toxic.

Loading 15% to 50%



Application & addition rate

A special masterbatch is designed for blown film, carry bags, injection and blow moulding products to impart dimensional stability & to reduce cost. The special CaCO_3 is used with carrier resin & additives to impart flexibility with improved impact strength. The recommended rate of addition is 15 to 50 % with polymer by weight. Pre- heating of Plast Fil gives more improved results. Loading product is dependent on machine and climatic conditions.

PERFORMANCE CHARACTERISTICS

- Increases number of rolls per hour
- Enhances impact strength and tear resistance of the film
- Reduces wear and tear of the extruder
- Reduces loading of pigment for opacity
- Reduces raw material cost by increasing output
- Maintains uniform back-pressure
- Improves and Maintains most properties of film
- Improves printability and barrier properties
- Facilitates down gauging of film
- Facilitates faster cooling of bubble in a blown film
- Imparts bubble stability even at high rate of output
- Provides thermal stability to processed material
- Suppresses the gases and keeps working environment healthy
- Eliminates need of anti-block in the resin
- Heat sealing at lower temperature
- Reduces friction making film handling easier



Non Toxic and Environment Friendly

Plast Fil : Basic chemicals / additives incorporated in the grade confirms that the material is suitable for food grade, is non hazardous and non-toxic.



▶ Loading 15% to 30%



Application & addition rate

a special masterbatch is designed for natural & colour weaving tapes, blown film, cast films, injection and blow moulding products to impart dimensional stability & to reduce cost. ultra fine talc is used with carrier resin & additives to impart flexibility with improved impact strength. the recommended rate of addition is 15 to 30 % with polymer by weight. Pre-heating of Plast Clear gives more improved results. Loading of product is dependent on machine and climatic conditions.

PERFORMANCE CHARACTERISTICS

- Acts as nucleating agent maintains natural clarity of polymer
- An effective anti-blocking agent
- Reduces sticking of film layers
- Improves physical and mechanical properties of the end product
- Improves anti-slip property
- Improves heat resistance
- Anti-fibrillation for woven sack / film stiffness addition
- Anti-blocking effect
- No need to increase colour of masterbatch
- Reduces cost
- Friendly for all polyolefin

Non Toxic and Environment Friendly

Plast Clear : Basic chemicals / additives incorporated in the grade confirms that the material is suitable for food grade, is non hazardous and non-toxic.

■ Loading 0.5-5%



APPLICATIONS AND ADDITION RATES

Plast Ultra

A special masterbatch designed for high temperature extrusion coating, cast films and blown films. It may be used for monolayer and multilayer, blow & injection moulding, tape and fabric applications. The recommended rate of addition is 0.5-5.0% with polymer by weight. Loading of product is dependent on machine and climatic conditions.

PERFORMANCE CHARACTERISTICS

- Used especially for opacity and whiteness
- Acts as a UV protector
- Highest tinting white strength
- Anti-fibrillation for woven sack
- High thermal stability under processing conditions reduces agglomeration of TiO₂.
- A little addition gives more opacity and whiteness
- Designed for high temperature extrusion coating, cast and blown films, multilayer, calender lines
- It can be incorporated in moulding operations.
- Suitable for thin film application
- Improves resistance to weather

Non Toxic and Environment Friendly

Plast Ultra: Basic chemicals / additives incorporated in the grade confirms that the material is suitable for food grade, is non hazardous and non-toxic.



▶ Loading 1% to 5%



APPLICATIONS AND ADDITION RATES

Plast UV

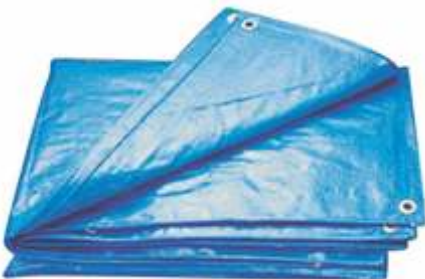
A special Masterbatch for polyolefin weaving tapes, films, blow & injection molding. The recommended rate of addition is 1.0-5.0 % with polymer by weight. Loading product is dependent on machine and climatic conditions. There is no reduction in UV stability of the final product when added with any other PLAST Masterbatches. Our active content of UV stabilizers is 20%.

PERFORMANCE CHARACTERISTICS

- Guaranteed UV additive, 100% reliable product
- Various grades made to protect different polymers
- Superior UV protection by use of combination of UV absorber with HALS light stabilizer
- Effective in a wide range of applications and processes
- Protects the polymer against harmful UV degradation
- Uniform dispersion
- Improves cloth stability against UV radiation
- Compatible with printing ink
- Extends shelf life of processed material
- Excellent processability

Non Toxic and Environment Friendly

Plast UV: Basic chemicals / additives incorporated in the grade confirms that the material is non hazardous and non-toxic. Food Grade also available.



■ Loading 2% to 3%



APPLICATIONS AND ADDITION RATES

Plast Modifier

A special masterbatch batch designed to improve processability of polymer. It is used in weaving tapes, high temperature extrusion coating, cast film & blown film. This masterbatch is used in polymer to avoid oxidative degradation. This masterbatch helps in improving gloss, opacity & mechanical properties of the products. This masterbatch is added to ease the processing of polymer with fillers & pigments. The recommended rate of addition is 2.0-3.0 % with polymer by weight. Loading % is dependent on machine being used and product manufactured.

PERFORMANCE CHARACTERISTICS

- Improves dimensional stability
- Gloss and whiteness in Film / Tape
- Excellent Antifibrillation
- Heat Sealing at lower temperature
- Improves overall productivity
- Extends life of screen filter
- Increases throughput
- Improves processing of lower MFI resins
- Improves gloss and surface smoothness
- Improves brightness
- Increases elongation in Raffia Tapes & Tensile Strength of Raffia Tapes

Non Toxic and Environment Friendly

Plast Modifier

Basic chemicals / additives incorporated in the grade confirms that the material is non hazardous and non-toxic. Food Grade also available.

■ Loading 10% to 25%



APPLICATIONS AND ADDITION RATES

Plast High Mix

A special masterbatch for Cast & Blown Film, Injection & Blow moulding. Suitable for Polyolefin (PE & HDPE). The recommended rate of addition is 10 - 25 % with polymer by weight. Pre- heating of Plast Highmix gives more improved results. Loading product is dependent on machine and climatic conditions

PERFORMANCE CHARACTERISTICS

- Improves Dimensional Stability
- Improves ESCR of blow Mouldings
- Improves Stiffness
- Improves Whiteness Hence Saving of Pigment
- Excellent Anti-Fibrillations
- Improves Anti-Slip Property
- Improves Tenacity of Tapes
- Improves printability
- Anti-blocking effect
- Cost reduction
- Extended life of screen/filter

Non Toxic and Environment Friendly

Plast High Mix: Basic chemicals / additives incorporated in the grade confirms that the material is suitable for food grade, is non hazardous and non-toxic.



Quality isn't something that can be argued into an article or promised into it. Must be put there. If it isn't put there, the finest sales talk in the world won't act as a substitute.

C. G. Campbell

Working towards greener tomorrow



Present annual capacity 60,000 MT per annum

50% Reduction in total wastage at customer's end



95%

Achieves more than 95% production efficiency always



More than two decades of experience



CaCo3 + Polymer = Masterbatches
Non toxic and environment friendly

Increasing the % of our R&D investment focused for sustainable development



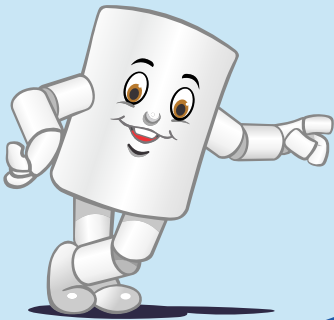
Quality with Quantity

GOAL
To fully satisfy customers all over the globe

>
15%
Cost reduction

Polymer + Bajaj Superpack Masterbatch = Reduced Cost

“Bajaj Superpack doesn't talk the talk they deliver the talk”



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