

Trust Plast Masterbatches For  
Consistent Quality

**BLOWN FILM / INJECTION BLOW MOLDING** **MASTERBATCHES**

# WELCOME TO Bajaj Polyblends



Bajaj Polyblends established their masterbatch business in 1988 and produces high quality masterbatches. Bajaj Polyblends has large fully integrated production facilities in respect of manufacturing of high tech specialty masterbatches, polymer compounds for numerous applications in plastic industry. We have combined capacity of 120,000 MTA from our 4 locations. They are supported by highly equipped laboratories as well as cutting edge manufacturing facilities. Moreover Bajaj Polyblends places emphasis on high health and safety standards and has high commitment to protecting the environment.

- Bajaj Polyblends endeavors 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  $TiO_2$  base White & Colour Masterbatch, UV as well as specialty masterbatches. All grades are well accepted & adopted by various plastics processing industries.
- Bajaj Polyblends Masterbatches achieve 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 Polyblends has resulted in introduction of new generation products.
- Bajaj Polyblends 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 Polyblends is the most trusted name for improving polymer process economics and product quality.

## ▶ Product overview



# Overview of Bajaj Polyblends Grade Applications



Vegetable Film Packaging



Dispenser Pouch



Mulch Film



Biodegradable



HM Bags

Shopping Bag

## Blown Film Extrusion

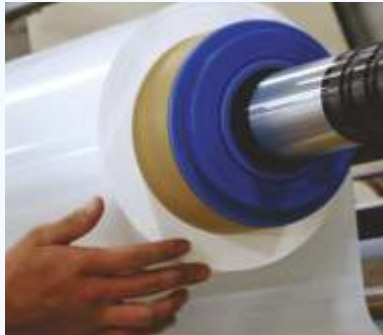
Masterbatch Grade	Typical Addition % w/w	Compatibility				Description
		PP	HDPE	LD	LLD	
Plast Fil	10-50		✓	✓	✓	Out standing mechanical properties even at higher loading, improves opacity of film, food grade, applicable in multilayer films, Increases output, saves cost
Plast High Mix PRM	10-35		✓	✓	✓	Saves cost, increases output, good printability
Plast Clear Film	15-35		✓	✓	✓	With negligible reduction in transparency, economic grade for transparent film
Plast Clear High Mix	15-30		✓	✓	✓	With negligible reduction in transparency, saves cost
Plast Modifier GP	5-10		✓	✓	✓	Out standing mechanical properties even at higher loading, improves opacity of film, food grade, applicable in multilayer films, Increases output, saves cost
Plast Biodegradable	2-5	✓	✓	✓	✓	Degrades the polymer mix. Property of polymer such as strength flexibility sealability and easy processability is not effected
Plast Black- 35/60	2-8	✓	✓	✓	✓	Carbon based premium grade, Super jet blacks for Monolayer film, Trapaulin & moulding.
Plast UV 01	1-3	✓	✓	✓	✓	Protects the polymers against UV degradation for food grade
Plast PPA	1-3	✓	✓	✓	✓	Ease of processability, increases output, eliminates the problem of melt fracture
Plast VCI	1-10	✓	✓	✓	✓	Corrosion protection for various packaging industry
Plast Desiccant	1-3	✓	✓	✓	✓	Ease of processability, increases output, eliminates the problem of melt fracture
Optical Brightener	1-3	✓	✓	✓	✓	Eliminates Yellowness increases the brightness of the product

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# Overview of Bajaj Polyblends Grade Applications



Multi Layer Blown Film Application



Improves Whiteness



Hygiene Gloves



Blown Flim Rolls



Wardrobe Hanger



Reduces TiO<sub>2</sub> Master Batch

Blown Film & Sheet Extrusion (Fluted Board)						
Masterbatch Grade	Typical Addition % w/w	Compatibility				Description
		PP	HDPE	LD	LLD	
Plast White	15-30		✓	✓	✓	Imparts opacity in films & saves cost, increases output
Plast Modifier	2-15	✓	✓	✓	✓	Reduces waste %, improves output, Increases addition of filler, saves cost.
Plast Clear Modifier	2-8	✓	✓	✓	✓	Improves gloss, shine & processability, reduces cost, higher loading in colour
Plast Stiff	15-30	✓				Improves stiffness, strength & surface properties, saves cost
Plast Super - 50	6-8	✓	✓	✓	✓	TiO <sub>2</sub> based economy grade masterbatch for opacity
Plast Super - 70	3-5	✓	✓	✓	✓	Premium opacifying grade for film to comply with food regulations
Plast Modifier ML	2-10	✓	✓	✓	✓	Improves loading dart impact test & strength
Plast PPA	1-3	✓	✓	✓	✓	Ease of processability, increases output, eliminates the problem of melt fracture

# Overview of Bajaj Polyblends Grade Applications



HDPE Injection Molded Crates & Pallet



HDPE Injection Moulded Pails



Injection Moulding Plastic Product



Injection Blow Moulding Product

Injection Moulding						Description
Masterbatch Grade	Typical Addition % w/w	Compatibility				
		PP	HDPE	LD	LLD	
Plast High Mix	10-25		✓	✓	✓	Improves ESCR, faster cooling, cost saving, no migration, excellent ageing, comply with food regulations
Plast Clear High Mix	10-25		✓	✓	✓	Act as a nucleating agent, optimum transparency, improves ESCR, faster cooling, cost saving, excellent ageing
Plast White	10-20	✓	✓	✓	✓	Reduces cost, improves output, enhances processability, improves whiteness
Plast Stiff	15-30	✓				Reduces cost, improves stiffness, improves strength & surface properties
Plast Clear	10-25	✓	✓	✓	✓	Acts as a nucleating agent, enhances printability & stiffness with optimum transparency, reduces cost
Plast Modifier GP	2-15	✓	✓	✓	✓	Reduces waste %, improves output, Increases addition of filler, saves cost.
Plast Clear Modifier	2-10	✓	✓	✓	✓	Improves gloss, shine & processability, reduces cost, higher loading in colour
Plast Super - 50/75	3-10	✓	✓	✓	✓	Ti <sub>2</sub> based grade masterbatch for opacity in moulded products
Plast Black	1-10	✓	✓	✓	✓	Carbon based premium grade, Super jet blacks for Injection & Blow Moulding.
Plast UV 01	1-3	✓	✓	✓	✓	Protects the polymers against UV degradation for food grade
Plast UV 04	1-3	✓	✓	✓	✓	Protects the polymers against UV degradation for non food grade

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# Overview of Bajaj Polyblends Grade Applications



Water Tank



Moulded Article



Liquid Drum



Outdoor Toilet

## Injection & Blow Moulding

Masterbatch Grade	Typical Addition % w/w	Compatibility				Description
		PP	HDPE	LD	LLD	
Plast High Mix	10-25		✓	✓	✓	Improves ESCR, faster cooling, cost saving, no migration, excellent ageing, complies with food regulations
Plast Clear High Mix	10-25		✓	✓	✓	Acts as a nucleating agent, optimum transparency, improves ESCR, faster cooling, cost saving, excellent ageing
Plast Modifier GP	2-15	✓	✓	✓	✓	Reduces waste %, improves output, Increases addition of filler, saves cost.
Plast Clear Modifier	2-10	✓	✓	✓	✓	Improves gloss, shine & processability, reduces cost, higher loading in colour
Plast Black	1-10	✓	✓	✓	✓	Carbon based premium grade, Super jet blacks for Injection & Blow Moulding.
Plast Super - 50/75	3-6	✓	✓	✓	✓	Premium opacifying grade for film to comply with food regulations, reduces addition level of UV additives
Plast UV 01	1-3	✓	✓	✓	✓	Protects the polymers against UV degradation for food grade
Plast UV 04	1-3	✓	✓	✓	✓	Protects the polymers against UV degradation for non food grade

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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*

Measurement is the first step that leads to control and eventually to improvement. If you can't measure something, you can't understand it. If you can't understand it, you can't control it. If you can't control it, you can't improve it.

*H. James Harrington*



The infographic is a grid of 18 colored boxes, each containing a different achievement or statistic. The boxes are arranged in a roughly rectangular layout with varying colors and icons.

- Working towards greener tomorrow**: Plast (Performance Industry Specific Masterbatches) with a cartoon character pointing to a green field.
- 75% Reduction in total wastage at customer's end**: A large white arrow pointing down on a red background.
- More than three decades of experience**: A magnifying glass icon on a blue background.
- OUR GOAL PROFIT to our Customers**: The word 'GOAL' in large letters on a yellow background.
- Guaranteed ON TIME Delivery**: A clock icon on a dark blue background.
- Multi Location Production Facility**: Silhouettes of people with arms raised on a grey background.
- Pigment + Polymer = Masterbatches Non toxic and environment friendly**: Chemical icons on a green background.
- Present annual capacity for masterbatch 120000 MT per annum**: Text on a blue background.
- Achieves more than 99% production efficiency always**: A circular arrow icon with '99%' on a green background.
- Increasing the % of our R&D investment focused for Development & Sustainable Growth**: An upward-pointing arrow on a teal background.
- 15% Cost reduction**: A large yellow arrow pointing right on a blue background.
- Polymer + Bajaj Superpack Masterbatch = Reduced Cost**: Text on a blue background.
- BAJAJ Manufactures Masterbatches BETTER**: Text on a blue background.
- Bajaj Quality = Profit**: Text and a circular arrow icon on a red background.
- Satisfied customers world wide**: A photo of a smiling worker on a grey background.
- Quantity with Quality**: A circular arrow icon with a checkmark on a dark blue background.
- “ Bajaj Polyblends doesn't talk the talk they deliver the talk ”**: Text on a pink background.



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