

Masterbatches for Injection & Blow Moulding

Colour Masterbatches
Additive Masterbatches
White Masterbatches
Black Masterbatches
PP Compounds
Calcium Carbonate Masterbatches



JJ Plastalloy Pvt. Ltd.

Relationship through intellect and integrity



Maestros of Masterbatches

We are JJ Plastalloy - a premier organization specializing in the manufacture and export of various thermoplastic compounds & masterbatches. We are a Government recognized export house with ISO/TS 16949:2009, ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certifications and we export to over 30 countries. Focused on research & development, we have specialized testing facilities and infrastructure. Our annual installed capacity is 65,000 MT of different thermoplastic compounds and masterbatches.

Research & Development

JJ Plastalloy spells Quality, Consistency & Accuracy.

Our Research & Development facility is one of the finest in the country with the best and the latest machinery that keeps us miles ahead of the competition. Our R&D Centre is duly approved by DSIR, Ministry of Science & Technology.

Our Infrastructure

Based in Varanasi, our manufacturing units are in Varanasi and Dahej (Gujarat). Our distribution centres are pan-India with key centres in Gurugram, Haridwar, Ahmedabad and Mumbai.

Our robust ERP systems handle inventory management and material movement. We use globally top-rated manufacturing machines and have our own tool rooms that helps in reducing breakdown and maintenance costs.

We assure round-the-clock deliveries and a workforce that's available 24x7x365.

Our Commitment

- No agglomerates, pinholes, fading & fish eye
- Best balance of whiteness & opacity
- No migration, bleeding or blooming
- Excellent UV protection
- Long term stabilization
- Consistency in colors
- Timely product development & delivery
- Low grit content & impurities
- Competitive solutions
- Continuous R&D
- Consistent products
- Honorary commitment

Reasons to partner with us

- R&D Center approved by DSIR Ministry of Science & Technology
- Custom-built ERP system
- Pan-India Distribution Centres
- 24x7x365 days available workforce
- Exports to over 30 countries
- Government recognized export house with ISO/TS, ISO OHSAS certifications



Our Injection & Blow Moulding Advantage

JJ Plastalloy masterbatches for injection & blow moulding are specifically designed in terms of key performance criteria that are important to injection & blow moulded plastics. Here are some of the advantages that we bring to the table:

Consistency:

Our dedicated Quality Processes ensure batch-to-batch consistency in thousands of colour masterbatches that we offer.

Enhanced Performance:

The Additive masterbatches we produce offer a remarkable improvement to the performance, productivity & aesthetics of the plastic products.

No Air Particles:

Our processing is conducted under controlled conditions & we use specially designed anti-moisture, multi-layered heat sealant packaging, minimizing the possibility of any void or trapped air particles in the moulded part.

Quick Deliveries:

Our colour matching experts and trained personnel ensure delivery of any colour in the shortest time.

Stringent Quality Control:

Our masterbatches are made under strict QC systems so there is a complete elimination of short moulding hazards.

Reliability:

Our technical competency, timely development of new products and fast deliveries make us a reliable partner for colour and additive masterbatches.

Additive Masterbatch

Product	Grades	Active Ingredients (%)	Remarks
Nucleating Masterbatch	SIVA NUCLEATING B AGENT PP MB-01	10%	Nucleating Masterbatch is used in moulding of polyolefins to enhance modulus, rigidity and service temp.
Stiffening Masterbatch	SIVA STIFFENING/LGT AGENT COMBI PP MB-03	10%	Stiffening/ lgt is used to stiffness, rigidity and makes the product light in weight.
Clarifying Masterbatch	SIVA CLARIFYING PP MB-01	10%	This Masterbatch improves the clarity of PP moulded article.
Optical Brightner Masterbatch	SIVA OB MB (E)	1.20%	Optical brightener masterbatch.
	SIVA OB MB 30G	1.20%	
	SIVA OB 101 PP MB	1.20%	
Desiccant/ anti-moisture Masterbatch	Siva Desiccant 03 PE MB	70 %	Moisture absorber master batch used for removes puncture in the film, increases tensile strength.
Clarifying Masterbatche	SIVA CLARIFYING 03 PE MB	20%	Improves the clarity as well as strength of PE by making small crystallites during processing stage.
	SIVA CLARIFYING 03 PE MB 01	10%	Improves the clarity as well as strength of PE by making small crystallites during processing stage.

Filler Masterbatch

Product	Grades	Filler (%)	Remarks
Filler Masterbatch	1070 PHCN	70%	PP based filler masterbatch, Suitable for Injection Moulding applications. LDR 10-30 %
	1075 PHCN	75%	PP based filler masterbatch, Suitable for Injection Moulding applications. LDR 10-30 %
	1080 PHCN	80%	PP based filler masterbatch, Suitable for Injection Moulding applications.

Colour Masterbatch

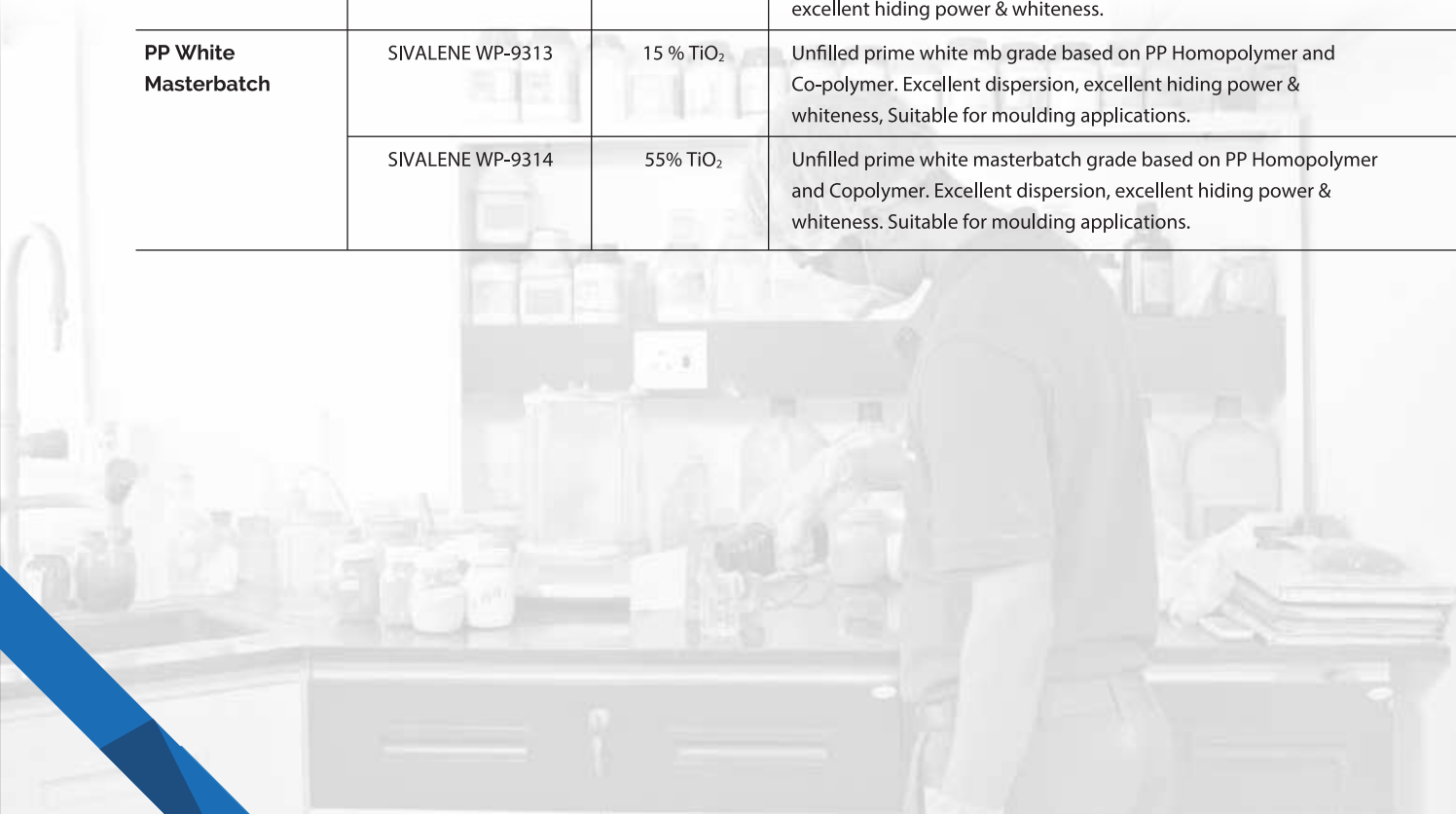
Product	Grade	Remarks
Entire Colour Masterbatch	All colours including Speciality effect MB like Pearl, Silver effect MB, Fluorescent colours, Granite effect MB, Marble effect MB	Colouring of Polyolefinic products, excellent dispersibility, strength, heat stability and light fastness.

Injection & Blow Moulding Sector

White Masterbatch



Product	Grades	White Pigment Content (%)	Remarks
White Masterbatch	SIVATHENE WE-9145	20% TiO ₂	Economical grade, very good dispersion, good hiding power and whiteness, excellent processibility. Suitable for moulding applications.
	SIVATHENE WE-9208	25% TiO ₂	Economical blue tone white masterbatch grade, very good dispersion, Good hiding power & whiteness, excellent processibility. Suitable for moulding applications.
	SIVATHENE WE-9269	30% TiO ₂	Economical blue tone white masterbatch grade, very good dispersion, Good hiding power & whiteness, excellent processibility. Suitable for moulding applications.
	SIVATHENE WE-9105	35% TiO ₂	Economical blue tone white masterbatch grade, very good dispersion, Good hiding power & whiteness, excellent processibility. Suitable for moulding applications.
	SIVATHENE WE-9222/9270	40% TiO ₂	Economical blue tone white masterbatch grade, very good dispersion, Good hiding power & whiteness, excellent processibility. Suitable for moulding applications.
	SIVATHENE WE-9274	45% TiO ₂	Economical white masterbatch with high level of brightner, very good dispersion, good hiding power & whiteness, excellent processibility. Suitable for moulding especially for Pharma bottles.
	SIVATHENE WE 9109/9293	50% TiO ₂	Asian White, very good dispersion, very good hiding power & whiteness. Suitable for moulding applications.
	SIVATHENE WE-9247	55% TiO ₂	Very good dispersion, very good hiding power & whiteness, excellent processibility, Suitable for moulding applications.
	SIVATHENE WE-9209	60% TiO ₂	Blue tone white for moulding application. very good dispersion, very good hiding power & whiteness.
	SIVATHENE WE-9132	60% TiO ₂	Unfilled prime grade. excellent dispersion, excellent hiding power & whiteness, excellent processibility. Suitable for moulding applications.
	SIVATHENE WE-9175	65% TiO ₂	White masterbatch with brightner for moulding application. Excellent dispersion, excellent hiding power, whiteness & processibility.
	SIVATHENE WE-9129	70% TiO ₂	White masterbatch for moulding application. excellent dispersion, excellent hiding power & whiteness.
PP White Masterbatch	SIVALENE WP-9313	15 % TiO ₂	Unfilled prime white mb grade based on PP Homopolymer and Co-polymer. Excellent dispersion, excellent hiding power & whiteness, Suitable for moulding applications.
	SIVALENE WP-9314	55% TiO ₂	Unfilled prime white masterbatch grade based on PP Homopolymer and Copolymer. Excellent dispersion, excellent hiding power & whiteness. Suitable for moulding applications.



Black Masterbatch

Product	Grades	Black Pigment Content (%)	Remarks
Black Masterbatch	BKE 0121	25% Carbon Black	Economical grade, very good jetness and dispersion. Suitable for moulding and sheet applications.
	BKE 0103	30% Carbon Black	Filler Free prime grade, excellent jetness, dispersion and filterability. Suitable moulding applications.
	BKE 0110	30% Carbon Black	Economical grade, very good jetness and dispersion. Suitable for moulding applications.
	BKE 0108	40% Carbon Black	Filler Free prime grade, excellent jetness and dispersion with very good filterability. Suitable for films and moulding applications.
	BKE 0109	40% Carbon Black	Economical grade, very good jetness and dispersion. Suitable for moulding applications.
	BKE 0127	40% Carbon Black	Economical grade, very good Jetness and dispersion. Suitable for moulding applications.
	BKE 0128	40% Carbon Black	Economical grade, very good jetness and dispersion. Suitable moulding applications.
	BKE 0120	50% Carbon Black	Filler free prime grade, excellent jetness and dispersion. Suitable for moulding applications.
	BKE 0106	50% Carbon Black	Economical grade, excellent jetness and dispersion. Suitable for moulding applications.

Additive Masterbatch

Product	Grades	Active Ingredients (%)	Remarks
Antistatic Agent Masterbatch	SIVA ASLT 101 PE MB	10%	Long term antistatic masterbatch based on PE. Removes static charge of the moulded product.
	SIVA ASLT 102 PE MB	15%	Long term antistatic masterbatch based on PE. Removes static charge of the moulded product.
UV Masterbatch	SIVA UV 1029 PP	20%	HALS based PP UV masterbatch for moulding and PPR pipes.
	SIVAUV 1003 PE	20%	HALS based PE UV masterbatch for moulding. Recommended for food contact application.
	SIVA UV 1009 PE	10%	HALS based PE UV masterbatch for moulding. Recommended for food contact application.
	SIVA UV 1007 PP	10%	HALS based PP UV masterbatch for moulding. Recommended for food contact application.
	SIVA UV 1022 PP	20%	HALS based PP UV masterbatch for moulding. Recommended for food contact application.
Antioxidant Masterbatch	SIVA AO 03 PE MB	10%	Prevents oxidative degradation of plastics of moulded article during processing. Helps to retain physical properties of recycled polyolefins.
Antibacterial Masterbatch	ANTIBACTERIAL PE MB-0001	20%	Anti bacterial/Anti microbial masterbatch is used Polyolefins to save it from fungus and algae attack.



**Quality
Consistency
Accuracy**

Batch after Batch



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A Govt. Approved R&D Center (DSIR)

ISO / TS 16949:2009 | ISO 9001:2008 | ISO 14001:2004 | OHSAS:18001:2007

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Additive Masterbatches	Black Masterbatches	Colour Masterbatches	Polymer Compound
Filler Masterbatches	Modifiers	Polyester Masterbatches	White Masterbatches

