



# AddKan ADDITIVE MASTERBATCHES

Kandui's range of additive masterbatches is targeted for various applications. The active ingredients (additives) are very well dispersed in *AddKan* masterbatches to ensure desired properties at optimum dosage levels which translate to cost effective solutions for the processor.

SR. NO.	PRODUCT CODE	PRODUCT NAME	ACTIVE CONTENT	PARTICULAR CHARACTERISTICS	MAIN APPLICATIONS
UV Masterbatches : Absorbs ultraviolet rays of the sun and reduces deterioration of plastics resulting in long-term protection					
1	ADV/01/00002	UV NFG 20	20%	PE based 20% HALS type UV	PP/HDPE Raffia, PP/PE Pipes, HDPE/PP Nets, General-purpose Film, Mulch Film, PP Fibers & Filaments. Provides excellent light stability for thick sections & products having higher specific surface area
2	ADV/01/00097	UV NFG 20 EC	20%	PE based 20% HALS type (Economic grade)	
3	ADV/01/00092	UV NFG 30	30%	PE based 30% HALS type UV	
4	ADV/01/00160	UV NFG 20 EC 02	20%	PE based 20% HALS with Extender	
5	ADV/01/00167	UV NFG 20 EC 03	20%	PE based 20% HALS with Extender	
6	ADV/01/00174	UV NFG 20 EC 04	20%	PE based 20% HALS with Extender	
7	ADV/01/00017	UV FG 20	20%	PE based 20% 783 type UV	PP/HDPE Raffia, PP/PE Pipes, HDPE/PP Nets and General Moulding. It is a product of choice where indirect food contact approval is required
8	ADV/01/00123	UV FG 20 EC 06	20%	PE based 20% 783 type UV with Extender	
9	ADV/01/00044	UV FG LT	20%	Highly effective light stabilizer with excellent colour and thermal stability. Resistant to chemical attacks with optimal stabilization properties. High molecular weight UV additive for long-term retention	PP/HDPE Raffia, PP/PE Pipes, HDPE/PP Nets, General-purpose Film, Mulch Film, PP Fibers & Filaments. Provides long-term heat aging properties, good for Green House Film
10	ADV/02/00028	PPR PP UV FG	10%	This is stable against hydrolysis (no loss in Oxidative Induction time). High molecular weight UV additive for long-term retention	PPR Pipes. It can be also used in Blow Moulded and under-the-hood automotive parts. In combination with <i>AddKan</i> LTHA Masterbatch, the life span of PPR Pipes and plastic articles having these additives will be enhanced significantly
11	ADV/02/00068	ROYAL UV NFG	20%	PP based 20% HALS type UV (with Extender)	PP Raffia, PP Pipes. Provides excellent light stability for thick sections & products having higher specific surface area
12	ADV/02/00138	PP UV FG 20 SPL	20%	PP based 20% 783 type UV	PP Raffia, Leno bags, All type of food grade applications
13	ADV/02/00134	PP UV FG 20 LT	20%	PP based 20% Food Grade UV for long-term retention	PP Raffia, PPR pipes, PP Multifilament & Fibres
14	ADV/02/00163	PP UV NFG 20 SPL 02	20%	PP Based 20% UV Non Food Grade for long-term stability	PP Raffia, PP Mono & Multifilaments, PP Non-Woven etc.
15	ADV/02/00061	PP UV FG 20	20%	PP based 20% 783 type UV	PP/HDPE Raffia, PP/PE Pipes, HDPE/PP Nets and General Moulding. It is a product of choice where indirect food contact approval is required
16	ADV/02/00079	PP LT RT UV FG	20%	Highly effective PP based light stabilizer with excellent colour and thermal stability. Resistant to chemical attacks with optimal stabilization properties. High molecular weight UV additive for long-term retention	PP Raffia, PP Pipes, PP Nets, PP Fibers & Filaments. Provides long-term heat aging properties
17	ADV/07/00063	KANDUILIGHT 01 FG	20%	This is a very innovative PBT based UV Masterbatch for polyester fiber applications. It is a strong absorber of ultraviolet radiation in the 300-400nm region and has a high degree of photo stability - Photochemical energy absorbed in the ultraviolet region is dissipated as thermal energy. Hence prevents light and oxygen decomposition. It has a low volatility, which makes it especially suitable for applications involving high temperature processing	It is particularly suitable for high surface area, such as Polyester Staple Fiber, POY, FDY & BCF Fibers
18	ADV/07/00142	KANDUI LIGHT 03 FG	20%		
19	ADV/07/00064	KANDUILIGHT 02 FG	20%		

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1	ADV/01/00046	SLOW SLIP	10%	Lowers the friction between film layers and other surfaces. In order to be effective the slip additive requires migrating to the surface & therefore requires a certain degree of incompatibility with the polymer	Euracamide based slip additive for PE film. Improves transparency and gloss	All type of PE Film. Allows delayed/offline printing
2	ADV/01/00026	FAST SLIP	10%	Quickly blooms on the surface of the film to impart slip properties and reduce coefficient of friction (COF). Film made with fast slip additives should be printed immediately after they are made as later on slip additives may hinder with adhesion of lamination film or printing inks	Oleamide based slip additives. Improves gloss	General-purpose PE Film in which printing is done online
3	ADV/01/00119	SUPER SLIP	10%	Lowers the friction between film layers and other surfaces. Improves slip properties immediately & maintain for long-term	Combination of slip and other release additives to improve gloss	All type of PE Film. Immediate printing is most suitable
4	ADV/01/00047	FAST SLIP SHINER	43%	Additives blooms to the surface & gives extra shine, also there is an antiblocking effect which prevents adhesion between film	Combination of slip and antiblock	HM Film
5	ADV/01/00020	HIGH GLOSS	2%	Improves gloss & brightness of the plastic item (which may have reduced due to the addition of reprocessed materials), also helps in increasing production output	It improves gloss & brightness of any plastic product	LDPE and HDPE Carry Bags
6	ADV/01/00042	ANTISTATIC LT	10%	Dissipates the static charges developed on the surface of any plastic product	Combination of antistatic additives for synergistic effect, which creates long lasting antistatic properties	PE : Monolayer and Multilayer Blown Film PP : Non-Woven & Moulding
7	ADV/01/00158	ANTI STATIC PE 06	15%	Immediately dissipates the static charges developed on the surface of any plastic product	High concentration Antistatic MB for lower addition levels.	PE : Monolayer Films & Multilayer Films, PP Sheets and Films etc.
8	ADV/01/00025	AO MB 10	10%	Slows down or completely stops polymer degradation due to oxidation	Antioxidant Masterbatch in virgin material increases the Oxidation Induction Time (OIT) value which is an Indication of time taken for plastics to start degradation. During processing of plastics addition of Antioxidant Masterbatch helps in retaining the mechanical properties of the end application	All Extruded/Moulded products processed at high temperature, long residence time, especially Multilayer Film, Monolayer Film, recommended to use while reprocessing of polymers
9	ADV/02/00120	PP AO 10	10%			All Extruded/Moulded products processed at high temperature, long residence time, especially PP Film, PP Fiber, PP Moulding, recommended to use while reprocessing of polymers
10	ADV/02/00084	PP ANTIOXIDANT MB	10%			
11	ADV/02/00024	PPR LTHA	10%	Improves Long Term Heat Ageing properties of polymers against oxidative influences and protects pipes, sheets and injection moulded PP parts against thermo-oxidative degradation		In combination with AddKan PPR UV Masterbatch, the life span of PPR Pipes and plastic articles having these additives will be enhanced significantly, also used in automotive application
12	ADV/01/00043	PPA-2	1%	Eliminates melt fracture, reduces die build up, improves film surface, eliminates shark skin effect, reduces gel formation and increases production output	Improves processing and imparts gloss to the end product	PE : Blown Film (Multilayer Film, Monolayer Film), Cast Film, Extruded pipe, Wire and Cable, Injection and Blow Moulded products
13	ADV/01/00152	PPA-06	2%			
14	ADV/01/00031	PPA-1	2%			
15	ADV/01/00062	PPA-4	3%			
16	ADV/01/00032	ECO BRIGHT	1%	Absorbs ultra violet light (invisible light) and re-emits most of the absorbed energy as visible blue light, this imparts extra brightness and whiteness and eliminates the inherent yellowish dull appearance	Very effective optical brightener in combination with speciality additives for gloss improvement	PP & PE : All Extruded/Moulded plastic articles requiring extra bluish undertone, whiteness and brightness
17	ADV/01/00033	M BRIGHT	1.50%			
18	ADV/01/00091	SPECIAL BRIGHT	2%		Extra bright additive for PE film to improve transparency and gloss	
19	ADV/01/00022	OB MB SPL	3%			
20	ADV/01/00090	NKD EXTRA BRIGHT	5%			
21	ADV/02/00143	HITEX OB 10	10%	This imparts extra brightness and whiteness and eliminates the inherent yellowish dull appearance	High concentration of optical brightner giving better effects at lower dosage	Recommended for PP Multifilaments, Non-Woven, Raffia etc.
22	ADV/09/00065	NYLON FILAMENT BRIGHTNER	1%	Absorbs ultra violet light (invisible light) and re-emits most of the absorbed energy as visible blue light, this imparts extra brightness and whiteness and eliminates the inherent yellowish dull appearance	High stable optical brightener for Nylon	Nylon (POY/FDY)
23	ADV/09/00144	KAPOK NY OPTICAL BRIGHT-10020 SRF	5%	Absorbs ultra violet light (invisible light) and re-emits most of the absorbed energy as visible blue light. This imparts extra brightness and whiteness and eliminates the inherent yellowish dull appearance	High stable optical brightener for Nylon	Nylon (POY/FDY)
24	ADV/01/00051	DESICCANT MB 04	30%	This product chemically binds moisture during processing and allows usage of higher levels of reprocess polymers and fillers to be used	Economical version	PP & PE : During manufacture of reprocessed polymers, Monolayer Film & Raffia
25	ADV/01/00048	DESICCANT MB 01	65%		Very fine desiccant additive suitable for thin film	PP & PE : All Extrusion and Moulding. It can be used during manufacturing of reprocessed polymers. This can be used in Multilayer and Blow Moulding as well
26	ADV/01/00148	WATER-SUKKER™	82%			
27	ADV/01/00034	DESICCANT MB 02	75%			



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28	ADV/01/00088	ANTI BLOCK 05	10%	It minimizes adhesion and thus lowers the blocking force between the layers. Once compounded into polymer these additives create micro rough surface which reduces the adhesion between film layers and increases the anti-blocking effect	Organic antiblock for very transparent film	Transparent LLDPE, LDPE & HDPE Film
29	ADV/01/00078	ANTI BLOCK 04	25%	Antiblocking additive minimizes film to film surface contact and reduces blocking effect. The additive reduces coefficient of friction between the layers and also maintains the gloss in film	Silica based antiblock masterbatch for transparent film	PE : Monolayer Film, Multilayer Film
30	ADV/01/00171	PE ANTIBLOCK 18	10%		Silica based additive along with slip additives	
31	ADV/01/00172	PE ANTIBLOCK TR-19	15%		Organic Antiblock with Slip & Antistatic	
32	ADV/01/00052	ANTI BLOCK 01	50%		Silica based Antiblock for translucent film/HM film etc.	
33	ADV/01/00173	PE MATTE FINISH 01	50%	In many application glossy surface is not preferred & some films need to be with mat finish. The additive present improves the mat finish effect in PE film	Combination of several Antiblocks creating mat finish	PE/PP Films & Sheets
34	ADV/06/00054	ANTI BLOCK 03	40%	This can be used for reducing adhesion between films. The presence of other additives gives better shining and reduces yellowing	EVA based Antiblock. Low melting components suitable for rubber compounding	EVA Film. It can be used for all type of PE and PP Films at lower addition. It also improves strength
35	ADV/06/00130	ANTI BLOCK 10 UNI	25%	This can be used for reducing adhesion between films. The presence of other additives gives better shining and reduces yellowing	EVA based Antiblock. Low melting components suitable for rubber compounding	EVA Film. It can be used for all type of PE and PP Film at lower addition. It also improves strength
36	ADV/01/00145	PE ANTIBLOCK TR 15	10%	This can be used for reducing adhesion between films	The additives present does not affect transparency	PE & PP Films & Sheets
37	ADV/02/00168	PP ANTIBLOCK 13	12%	This can be used for reducing adhesion between films	Silica based Antiblock for reducing blocking effects. Slight effects on transparency	PP Films, Sheets
38	ADV/07/00132	PET ANTI BLOCK HZ	10%	Prevents adhesion between films	Silica based Antiblock with slight effect on transparency	PET Films, Sheets
39	ADV/02/00118	NUCLEATING PP 04	10%	PP is a semi crystalline polymer, thus products made with PP looks hazy. AddKan Nucleating Masterbatch increases the crystallization rate and the overall percent of crystallinity of the polymer which improves the clarity significantly	Improves transparency, stiffness stress & crack resistance in PP products	PP Moulding & Sheets
40	ADV/01/00154	PE ANTIMICROBIAL 14	10%	Protects the surface from staining and degradation caused by micro-organisms. Maintains hygiene by controlling/decreasing the amount of micro-organisms on the object surface	Very effective additive based on nano silver technology. FDA approval	Moulded articles, Film, Sheet, Fiber, Raffia, Non-Woven etc.
41	ADV/01/00157	PE ANTIMICROBIAL 15	10%	Protects the surface from staining and degradation caused by micro-organisms. Maintains hygiene by controlling/decreasing the amount of micro-organisms on the object surface	Very effective additive based on nano silver technology	Moulded articles, Film, Sheet, Fiber, Raffia, Non-Woven etc.
42	ADV/02/00039	ANTIMICROBIAL	5%	Protects the surface from staining and degradation caused by micro-organisms. Maintains hygiene by controlling/decreasing the amount of micro-organisms on the object surface	Very effective additive based on nano silver technology	PP : Injection moulding, Film, Sheet, Foam, Fiber, Tape, Coating, PPR Pipe and many more PP based products
43	ADV/07/00083	PET ANTIBACTERIA	20%	Numerous bacteria tend to grow on fabrics that causes foul odor and skin diseases. This Masterbatch is effective at low levels against a wide range of micro-organisms	Very effective silver-based antimicrobial additive in a PBT carrier resin	Polyester : POY, PSF, FDY & BCF Fibers
44	ADV/06/00070	ANTI RODENT MB PE 01	10%	Rodent has got the biting nature. They chew plastic products like tarpaulins, power cables, wires, plastics doors etc. AddKan Anti Rodent emits chemicals and very bitter compounds that repel rodents from attacking these plastics products	With mint smell	PP, PE, PVC, ABS, NYLON : Tarpaulin, Garbage Bag, Grain-packing Bag, Domestic/Industrial Cables, Automobile Cables, Plastic Door & Furniture etc.
45	ADV/01/00116	ANTI RODENT MB PE 02	10%			PP, PE, : Tarpaulin, Garbage Bag, Grain-packing Bag, Domestic/Industrial Cables, Automobile Cables, Plastic Door & Furniture etc.
46	ADV/07/00085	PET RELEASE MB	10%	In high output PET preform machines short weights are generated due to inconsistent flow and mold sticking. Mould release sprays will cause production loss. Use of this MB will help to reduce processing temperatures and cycle times by stabilizing flow characteristics	Reduce cycle time & rejections due to shrinkage	PET Moulding, PET Preform, Blood collection tubes
47	ADV/07/00177	PET RELEASE 177	10%	In high output PET preform machines short weights are generated due to inconsistent flow and mold sticking. Mould release sprays will cause production loss. Use of this MB will help to reduce processing temperatures and cycle times by stabilizing flow characteristics	Reduce cycle time & rejections due to shrinkage	PET Moulding, PET Preform, Blood collection tubes
48	ADV/08/00075	MOULD RELEASE 01	10%	It is a SAN based additive, which stabilizes the flow during moulding process causing smooth mould release	Reduce cycle time & rejections due to shrinkage	SAN & ABS : Moulding application
49	ADV/01/00073	LEMON PERFUME MB	40%	Perfumes not only help you smell nice but also boost your morale, Perfumes make households "well kept" clothes smell "clean", cosmetics "pretty". It is a symbol of freshness. It also overshadows the bad odor	Lemon Fragrance	PP & PE : Moulded articles, Nets, Disposables etc.
50	ADV/01/00096	JASMINE PERFUME MB	40%		Jasmine Fragrance	
51	ADV/01/00099	ROSE PERFUME MB	40%		Rose Fragrance	
52	ADV/01/00102	LAVENDER PERFUME MB	40%		Lavender Fragrance	



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53	ADV/07/00098	PET ANTI SCRATCH	10%	PET naturally exhibits very high surface friction, especially immediately after processing. In today's high output production lines the problem gets further amplified, this can lead to increased scratching, problem with flow lines, reduced packing density and wastage generation. Kandui Anti Scratch Masterbatch tackles all these issues in a smarter way	Very effective at lower addition	PET : Preform, Bottle, Sheet, Injection Moulded Product
54	ADV/01/00087	ANTI FOG PE 01	20%	It is a very effective solution to problems related to the formation of water droplets on plastic film. It is a Glycerol Ester based additive which prevents the formation of droplets by transforming them into a transparent water layer	For both Cold & Hot Fog	PE Packaging Film
55	ADV/01/00108	NIGHT GLOW	40%	It is a photoluminescent masterbatch. In dark it generates a beautiful green glow that is attractive and unique. It absorbs light energy from the daylight or from any other light source and emits/glow in dark. The maximum glow time is 8-10 hours based on exposure	Semi translucent white in day light	PP Moulding
56	ADV/01/00110	NIGHT GLOW LT GREEN	40%		Semi translucent light green in day light	
57	ADV/03/00109	NIGHT GLOW LT GREEN PS	40%		Semi translucent light green in day light	PS (HIPS & GPPS) : Moulding, Extrusion, Toys, Household Items
58	ADV/03/00111	NIGHT GLOW PS	40%		Semi translucent white in day light	
59	ADV/10/00100	KANDUI ECO SAFE® 100	NA	Compostable Compound for Carry bags	Good strength & elongation. Direct to use compound	Carry bags, Shopping bags
60	ADV/10/00107	KANDUI ECO SAFE® FILLER-107	NA	Compostable Filler	Can add additional 10-30% along with KANDUI ECO SAFE® 100	
61	ADV/02/00139	PP ENHANCER MB	20%	Static charge Enhancer for PP Non-Wovens	Very good particle filtration efficiency	PP: Non-Woven
62	FRT/02/00004	KANDUI FIREFIGHTER® PP 002	30%	Increases the safety of plastic products by reducing the flammability of the plastic and thereby delaying the spread of fire and eliminating the generation of toxic byproducts	Very minimal dosage is required to achieve inherent properties as per international standards ASTM, IS, DIN, UL 94, ISO etc.	PP : Raffia, Non-Woven, Fiber, Film, Sheet, Carpet and Moulding
63	FRT/02/00007	KANDUI FIREFIGHTER® PP 07	60%	Increases the safety of plastic products by reducing the flammability of the plastic and thereby delaying the spread of fire and eliminating the generation of toxic byproducts	Very minimal dosage is required to achieve inherent properties as per international standards ASTM, IS, DIN, UL 94, ISO etc.	PP : Raffia, Non-Woven, Fiber, Film, Sheet, Carpet and Moulding
64	FRT/07/00009	KANDUI FIREFIGHTER® PET 02	20%	Increases the safety of textile products by reducing the flammability thereby delaying the spread of fire and eliminating the generation of toxic byproducts	Very low smoke & dripping. Conform to Clause MS 300-08 (Standard Test Method - Flammability Resistance for interior materials. Very high phosphorous content	All type of Polyester Textiles

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