



BARS-2 Scientific and Production Company

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The company BARS-2 produces a wide range of BASCO® additive masterbatches for modification of different thermoplastics.

These masterbatches are used to change a lot of properties of polymer goods and to make them better and more attractive for customers: longer lifetime, better surface properties, good transparency etc. Processing additive masterbatches help to have cost effective production processes – easy production, low amount of wastes and higher output. With BASCO® additive masterbatches we are always glad to help you to solve your production problems and to be more competitive.

Scientific & Production Company BARS-2 is the leader of Russian and CIS market of masterbatches. Founded in 1992, our company focuses its activity on development and production of colour and additive masterbatches (MB) for colouring and modification of thermoplastic polymers.

Nowadays BARS-2 has several production sites in Russia. Company has a wide dealer network in the Russian Federation, CIS, Baltic and European countries. The BARS-2 Quality Management System operates in accordance with the requirements of ISO 9001-2008 in IQNET system since 2004.

Our advantages

Wide range

- White, black and color masterbatches
- Additive masterbatches and compounds
- Precision custom color matches

Support

- Technical service for the customer consulting
- Constant customer support
- Annual workshops for customers and staff

Quality

- Modern well-equipped quality control laboratory
- R&D department
- Full compliance with ISO 9001-2015, REACH and European Food Approval requirements

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BASCO® Additive Masterbatches

The company BARS-2 produces a wide range of BASCO® additive masterbatches for modification of different thermoplastics

We make the world colourful!®



Product range of BASCO® Additive Masterbatches

Grade	Name	Additive	Application	Recomm. dosage, %	
PF0010/01-PE	REVOL®	Complex of additives	Recycling of PE films	3-5	
P0011/01-PS	Light stabilizers	HALS and UV absorber – 10%	UV protecting of polystyrene products	1-3	
PF0011/05-PE		20% HALS, agro-chemical resistant	Light protection of agricultural films, PP fabrics, cosmetics packages and other products, used under sunlight and daylight lamps		
PF0011/18-PE		Olygomer HALS – 20%, economic analogue PF0011/20-PE			
PF0011/20-PE		Olygomer HALS – 20%			
PF0011/26-PE		Olygomer HALS – 20%, microcalcite - 50%			
PF0011/23-PE		Mixture of the stabilizers – 25%, premium			
PF0011/20-PP		Olygomer HALS – 20%			Light protection of PP fibers, spunbond, non-woven fabrics and other PP products
TF0011/27-PP		Monomeric HALS – 20%			
TF0011/28-PP		Monomeric HALS – 20%, microcalcite 30%			
PV0011/30-PP		Polymeric HALS – 20%			Light protection of PP fibers, spunbond, non-woven fabrics
PV0011/39-PP		Mixture of polymeric HALS – 20%			
PV0011/32-PP		Polymeric HALS – 20% (low odor)			
PV0011/33-PP		Polymeric HALS – 30%			
PF0011/42-PP	Olygomer HALS – 30%	Light protection of PP film tapes and raffia (twine, bags, big-bags)			
TF0011/43-PP	Monomeric HALS – 30%				
P0011/21-SN	Mixture of stabilizers – 20%, optimized	For extruded sheets and injection molded goods made of ABS and SAN			
P0011/24-SN	Mixture of stabilizers – 13%				
P0011/15-SN	Mixture of stabilizers – 20%				
PF0011/80-PE	UV Filter	UV absorbers	UV protection of PE and PP packages and packaged products	UV absorbance 80%	
PF0011/95-PE			UV absorbance 95%		
PF0012/01-PE	Slip	Oleamide – 6%	For improvement of PO films slip properties	0,5-1,5	
PF0013/01-PE		Erucamide – 6%			
PF0013/11-PE		Erucamide – 8%			
PF0013/02-PP	Erucamide – 10%	For improvement of blown and cast PP films slip properties	0,5-1,5		
P0013/10-PS	Erucamide – 10%	For shine improvement, demolding, denesting HIPS goods (package, disposable dishes etc.)			
P0013/20-PS	Fatty acid ester – 15%				
PF0013/50-LP	Non-migrating slip	Polysiloxane – 50%, LLDPE base	For improvement of PE films and tubes slip properties	10-20	
PF0013/51-LP		PMS – 10%, LLDPE base	For improvement of PE films and molded products slip properties	2-5	
PF0013/52-LP		PMS – 10%, PP base		2-5	
PF0013/61-BP		PDMS – 10%, homo PP base	For improvement of BOPP films slip properties	5-10	
PF0013/62-BP		PDMS – 20%, homo PP base		2,5-5	
P0014/01-PE	Heat stabilizers (STOP-MB)	Synergetic mixture of primary and secondary antioxidants	Heat stabilization of polyolefin, especially before the stopping and then the start-up of the equipment	0,5-2	
P0014/06-PS			Heat stabilization of PS products		
P0014/10-PP			Heat stabilization of blown and cast PP films		
P0014/24-LP	Heat stabilizers	Heat stabilizer – metal deactivator	For LDPE and LLDPE films (tube and cable insulations)	1-3	
PF0015/01-PE	Antiblock	Synthetic silica – 7%	Against blocking of PO films	0,5-1,5	
PF0015/09-PE		Natural crystal silica – 20%			
PF0016/09-PE	Combi-batch: slip & antiblock	Oleamide – 6% & synthetic silica – 7%	For better slipping and against blocking of PO films	0,5-1,5	
PF0017/09-PE		Erucamide – 6% & natural silica – 20%			
PF0018/01-PE	Antislip	UHMW PE	For the decreasing of LDPE films slipping	1,5-2	
P0020/01-UP	REVTE®	Complex of additives	Recycling of HIPS	2-3	
PF0021/11-PE	Antistatic	GMS	10%	3-4	
PF0021/12-PE		Mixture of GMS and ethoxylated amine	15%		
P0021/03-PS		Alkylsulfonate	30%		
PF0022/11-PE	Antifog	Sorbitan ester 8%	Preventing of water drops condensation on agricultural films' surfaces	3-5	
PF0022/12-PE		Fatty acid ester – 15%	Preventing of water droplets condensation on food packages and agricultural films' surfaces	3-5	
PF0022/16-PE		Fatty acid ester – 20%	Preventing of waterdrops condensation on food packaging films' surfaces	3-5	

Grade	Name	Additive	Application	Recomm. dosage, %	
P0023/22-PP	Clarifier	MDBS – 10%	Clarifying of injection molded and extruded PP products	1,5-2	
P0023/28-PP		MDBS – 8%			
P0023/05-PP		MDBS – 9%, brightened			
P0023/32-PP	Nucleator	Nucleator	Decreasing of PP products shrinkage and warpage	1,5-2	
P0024/01-PE	Elasticity modifier of PP	Complex of low temperature impact modifiers and stabilizers	Decreasing of the brittle temperature and increasing of the elasticity of PP at low temperatures	2-5	
P0024/02-PE					
P0024/04-PE					
PF0025/13-LP	Polymer processing aids	Fluorelastomer PPA	5,0%	Improving of the polymers processability, output increasing, eliminating of melt fracture and plate-out of extruded films, tubes, sheets, profiles	
PF0025/21-PE		Fluorelastomer PPA	3,0%		
PF0025/22-PE		Fluorelastomer PPA	3,0%		
PF0025/31-LP		3rd gen. fluorelastomer PPA	3,0%		
PF0025/32-LP		Fluorelastomer PPA	3,0%		
P0025/03-PS		Fluorelastomer PPA	2,5%		
P0025/14-SN-21		Fluorelastomer PPA	3,0 %		
PF0026/01-PE	EXTRUDEN®	Proprietary complex of additives	Complex MB for processability improvement	0,3-0,5	
P0026/03-SN-21					
PV0026/08-PP					
PF0026/10-LP					
P0027/12-PE	Foaming agent	ADC – 45%	Foaming of PO products, decreasing of shrinkage, processing temperature – 200-250°C	2-10	
P0027/15-SE		Endothermic foaming agent – 25%	Foaming of PO, PVC, TPU products, decreasing of shrinkage, processing temperature – 140-170°C	1-5	
P0027/16-SE		Endothermic foaming agent – 12,5%			
P0027/18-SE	Endothermic foaming agent – 70%				
PF0028/01-PE	Antimicrobial AMD-BASKO	Organic food preservatives		0,5-2,0	
P0028/01-PS		Active protection of polymer surfaces from bacteria, mold and yeast			
P0028/31-PP		Nanosilver			
P0028/35-PE					
P0028/37-GS					
P0029/01-PP	MFR modifier	Organic peroxide – 10 %	PP reology controller	0,3-0,5	
P0029/02-PP		Organic peroxide – 7,5 %		0,3-0,8	
P0029/03-PP		Organic peroxide – 4 %		0,5-1,0	
P0030/03-PE	CLEANOL®	Mineral slight abrasive filler and detergent	Fast purging and color changing of extrusion and molding equipment	30-50	
P0030/05-PE					
P0031/01-UP	CLEANSTYRE®				
PF0030/04-PE	CLEANOL®	Active detergent	Fast purging and color changing of hot-channel injection molding machines	25-40	
P0035/01-PE	Desiccant	Mineral acceptor of water and acids	Processing of wet recycled PE, PP, PVC	0,5-2	
T0035/09-PE					
P0040/42-PP	Process modifier	Complex of internal lubricants and processing additives	For mold release improvement, warping and shrinkage elimination	0,5-1	
P0040/43-PS					For PP
P0040/44-LP					For PS, HIPS, ABS
PF0050/05-LP	POLYBUM®	Special treated calcium carbonate – 75%, LLDPE base	For paper-like food packaging films	30-50	
PF0050/18-LP			For paper-like food packaging films (low MFI)		
PF0050/02-PE	MELOLEN®	Micronized hydrophobic micro calcite – 80%, LDPE base	Production of thin PO films with better processing and cost saving	up to 20	
PF0050/03-PE		Micronized hydrophobic micro calcite – 84%, LDPE base			
PF0050/06-PE		Micronized hydrophobic calcium carbonate – 84%, LDPE base			
PF0050/09-PE		Micronized hydrophobic calcium carbonate – 80%, LDPE base			
PF0050/10-LP		Micronized hydrophobic calcium carbonate – 80%, LLDPE base			
T0055/01-PS	Graphite filled	Fine colloid graphite – 30%	Heat- and electric-conducting filler	5-30	

Grade	Name	Additive	Application	Recomm. dosage, %			
P0060/02-PP	Talcum filled	Microtalcum – 60%	Reinforcement filler and nucleator for foamed sheets and plates	up to 5			
P0060/14-PE							
P0060/15-PS							
PF0065/01-PE	Heat saver	Mineral filler – 60%	Films for greenhouse temperature control	7-10			
PF0070/01-SE	Aroma	Fragrant agents Vanilla	For pleasant scent of plastic packages	1-5			
PF0070/13-SE		Fragrant agents Apricot					
T0071/01-PS	Light-scattering	Polymer modifier	For point light sources dispersion	3-5			
T0071/03-SN	Optical brightener	Optical brighteners	Increasing the whiteness. The product looks whiter and brighter	1-2			
P0080/01-PE							
P0080/03-PS							
PF0080/04-LP							
P0080/11-SN							
Masterflame®	T0091/11-PE	Bromine based flame retardant with synergetic additives	80%, LDPE base	Decreasing of PE products flammability, processing temperature up to 300°C	15-20 (V-2)		
	T0091/12-PP			80%, PP base	Decreasing of PP products flammability, processing temperature up to 300°C	18-20 (V-0)	
	T0090/13-PS			70%, GPPS base	Decreasing of PS products flammability, processing temperature not more 220°C	15-20 (V-0)	
	T0091/03-PS			75%, GPPS base	Decreasing of PS products flammability, processing temperature up to 300°C	20-25 (V-0)	
	T30090/27-PS			Bromine based flame retardant	50% HDCCD, GPPS base	Decreasing of PS foamed sheets flammability, processing temperature not more 220°C	15-20 (V-0)
	TF0092/01-PE			Halogen free organic flame retardant	50%, LDPE	Decreasing of PE films flammability	3-5

Additive masterbatches for PA

PF0013/05-PA	Slip	Fatty acid amide – 15%	Slip properties improvement of PA films
P0014/11-PA	Heat stabilizers	Synergetic mixtures of primary and secondary antioxidants	Heat stabilization of PA films and products
PF0015/25-PA	Antiblock	Synthetic SiO ₂ (5 mcm) – 10%	Against blocking of PA films
PF0015/26-PA		Synthetic SiO ₂ (3 mcm) – 10%	
PF0017/17-PA	Slip & antiblock	Slip – 10%, SiO ₂ – 3%	Slip properties improvement and against blocking of PA films
P0025/10-PA	Polymer processing aids	Fluoroelastome PPA – 2.5%	Processability improvement of PA films and sheets
PF0026/11-PA	EXTRUDEN®	Proprietary complex of additives	Complex MB for processability improvement of PA films and sheets
PF0050/08-PA	Matting	Microcalcite – 50%	For frosted films producing

Compounds

EL-BASCO	Conductive compounds	Conductive carbon black, assortment of grades based on various polymers	Specific surface resistance 10 ⁴ –10 ⁷ Ohm	100
MasterflameBTK	Halogen free flame retardant compound	Intumescent flame retardant, assorted grades on various polymer bases	For the inner layer of pipes, sheets etc.	100
Antiflame 113-12/1	Tracking resistant	Aluminum hydroxide – 50%	For electrical insulators	100

Note:

- The polymer base of BASCO® masterbatches is specified under the grade's name as the following : PE – LDPE, LP – LLDPE, PP – homo-polypropylene, PS – GPPS, SE – EVA, UP – HIPS, SN– SAN, PA – polyamide, PM – PMMA.
- The above mentioned BASCO® masterbatches marked with the first letter "P" have food, toy and packaging Russian approvals, masterbatches marked with the first letter "T" are for technical use only.