



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

We make the world colourful!®



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Product range of BASCO® Additive Masterbatches

Grade	Name	Additive	Application	Recomm. dosage, %			
PFO010/01-PE	REVTEL®	Complex of additives	Recycling of PE films	3-5			
P0011/01-PS	Light stabilizers	HALS and UV absorber – 10%	UV protecting of polystyrene goods	1-3			
PF0011/05-PE		20% HALS, agro-chemical resistant	Light protection of agricultural films, PP fabrics, cosmetics packages and other goods, used under sunlight and daylight lamps				
PF0011/18-PE		Olygomic HALS – 20%, economic analogue PFO011/20-PE					
PF0011/20-PE		Olygomic HALS – 20%					
PF0011/26-PE		Olygomic HALS – 20%, microcalcite - 50%					
PF0011/23-PE		Mixture of the stabilizers – 25%, premium					
PF0011/20-PP		Olygomic HALS – 20%			Light protection of PP fibers, spunbond, non-woven fabrics and other PP goods		
TF0011/27-PP		Monomeric HALS – 20%					
TF0011/28-PP		Monomeric HALS – 20%, microcalcite 30%					
PV0011/30-PP		Light stabilizers			Polymeric HALS – 20%	Light protection of PP fibers, spunbond, non-woven fabrics	2-5
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	Olygomic HALS – 30%		Light protection of PP film tapes and raffia (twine, bags, big-bags)				
TF0011/43-PP	Monomeric HALS – 30%						
P0011/24-SN	Mixture of stabilizers – 13%		For extruded sheets and injection molded goods made of ABS and SAN				
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%		
T9011/01-1	Light stabilizers	Mixture of stabilizers – 20%	For goods made of rigid and plasticized PVC	1-4			
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%					
P0013/10-PS		Erucamide – 10%					
P0013/20-PS	Slip	Fatty acid ester – 15%	For shine improvement, demolding, denesting HIPS goods (package, disposable dishes etc.)	0,5-1,5			
PF0013/50-LP		Non-migrating polysilicone slip	For improvement of PE films and tubes slip properties	10-20			
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 goods				
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	Antilock	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 & antilock	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	REVTEL®	Complex of additives	Recycling of HIPS	2-3			
PF0021/11-PE	Antistatic	GMS	Decreasing of surface resistance and solving problems caused by static electricity	10%			
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 droplets 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			

Grade	Name	Additive	Application	Recomm. dosage, %	
P0023/22-PP	Clarifier	MDBS – 10%	Clarifying of injection molded and extruded PP goods	1,5-2	
P0023/28-PP		MDBS – 8%			
P0023/05-PP		MDBS – 9%, brightened			
P0023/32-PP	Nucleator	Nucleator	Decreasing of PP goods 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	
P0024/04-PE					
PF0025/01-PE	Polymer processing aids	1st gen. fluorelastomer PPA	Improving of the polymers processability, output increasing, eliminating of melt fracture and plate-out of extruded films, tubes, sheets, profiles	First step (30-40 min) – 3-5%, constant 0,3-0,5%	
PF0025/13-LP					2,5%
PF0025/02-PE		5,0%			
PF0025/21-PE		2,5%			
PF0025/22-PE		Fluorelastomer PPA			
PF0025/31-LP		3,0%			
PF0025/32-LP		3,0%			
P0025/03-PS		3,0%			
P0025/14-SN-21		3rd gen. fluorelastomer PPA			
PF0026/01-PE		1st gen. fluorelastomer PPA			
P0026/03-SN-21	EXTRUDEN®	Proprietary complex of additives	Complex MB for processability improvement	0,3-0,5	
PV0026/08-PP					
PF0026/10-LP					
P0027/01-SE	Foaming agent	ADC – 30%	Foaming of PO goods, decreasing of shrinkage, processing temperature – 160-200°C	2-10	
P0027/12-PE		ADC – 45%	Foaming of PO goods, decreasing of shrinkage, processing temperature – 200-250°C		
P0027/15-SE		Endothermic foaming agent – 25%	Foaming of PO, PVC, TPU goods, decreasing of shrinkage, processing temperature – 140-170°C		
P90027/05-ES	Liquid foaming MB	Mixture of the exo- and endothermic blowing agents– 60% on the base of ESO	For PVC sheets	1-5	
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	CLEANSTYRE®	Mineral slight abrasive filler and detergent	Fast purging and color changing of hot-channel injection molding machines	25-40	
P0031/01-UP					
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)		
PF0050/09-LP	MELOLEN®	Micronized hydrophobic calcium carbonate– 80%, LLDPE base, economic	Production of thin PO films with better processing and cost saving	up to 30	
PF0050/10-LP					
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							
P0080/01-PE	Optical brightener	Optical brighteners	Increasing the whiteness. The product looks whiter and brighter	1-2			
P0080/03-PS							
PF0080/04-LP							
P0080/11-SN	Masterflame®	Bromine based flame retardant with synergetic additives	Flame retardant	0,3-0,5			
T0091/11-PE					80%, LDPE base	Decreasing of PE goods flammability, processing temperature up to 300°C	15-20 (V-2)
T0091/12-PP					80%, PP base	Decreasing of PP goods flammability, processing temperature up to 300°C	18-20 (V-0)
T0090/13-PS					70%, GPPS base	Decreasing of PS goods flammability, processing temperature not more 220°C	15-20 (V-0)
T0091/03-PS					75%, GPPS base	Decreasing of PS goods flammability, processing temperature up to 300°C	20-25 (V-0)
T30090/27-PS					50% HDCC, 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 goods	0,5-2
PF0015/25-PA	Antilock	Synthetic SiO ₂ (5 mcm) – 10%	Against blocking of PA films	0,5-1,5
PF0015/26-PA		Synthetic SiO ₂ (3 mcm) – 10%		
PF0017/17-PA	Slip & antilock	Slip – 10%, SiO ₂ – 3%	Slip properties improvement and against blocking of PA films	0,5-1,5
P0025/10-PA	Polymer processing aids	Fluoroelastome PPA – 2.5%	Processability improvement of PA films and sheets	0,3-3
PF0026/11-PA	EXTRUDEN®	Proprietary complex of additives	Complex MB for processability improvement of PA films and sheets	0,3-2
PF0050/08-PA	Matting	Microcalcite – 50%	For frosted films producing	10-15

Compounds

EL-BASCO	Conductive compounds	Conductive carbon black, assortment of grades based on various polymers	Specific surface resistance 10 ⁴ –10 ⁷ Ohm	100
Masterflame T0093/14-PN	Halogen free flame retardant compound	Intumescent flame retardant – 25%	For the inner layer of HDPE pipes	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.