

The assortment of BASCO® black masterbatches consists of three main groups: premium, standard and economy grades.

Black masterbatches of premium group are LLDPE-based and contain up to 45% of highly structured carbon black (PF1910/07-LP, PF1910/22-LP, PF1905/29-PE etc.). They are recommended for thin and multilayer PE-films, stretch films and special compounds. These masterbatches provide high opacity and good physical and mechanical properties of the final product.

PF1910/22-LP and PF1905/29-PE contain P-type carbon black, which allows to guarantee the maximum quality and good organoleptic properties of PE-films. PF1910/22-LP and PF1910/07-LP are mostly used for stretch films and silanol-crosslinking compounds.

Black masterbatches of standard group are recommended for a wide range of polymer goods obtained by extrusion, injection molding and blow molding. They contain up to 50% of carbon black.

Special economy grades (P1905/37-PE, PF1901/07-PE, P1901/22-PE, PF1901/50-PE) contain 15-30% of highly structured carbon black and micronized calcium carbonate. They are used for LDPE and HDPE films (packaging bags). The recommended dosage is 2-4% depending on film's thickness.

Black polystyrene masterbatches are used for extruded and injection molded goods based on polystyrene plastics such as GPPS, HIPS, SAN, ABS.

P3901/01-PS grade is specially developed for injection molding. P3901/10-PS has higher MFR. Both masterbatches have GPPS polymer base. Carbon black content is 30%. The recommended dosage is 1-2%.

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

Today BARS-2 has several production plants in Russia. BARS-2 Quality Management System is operating in accordance with requirements of ISO 9001:2015 in IQNET system since 2004.

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BASCO® Black Masterbatches

BASCO® black polyolefin masterbatches have good opacity and deep black colour



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BASCO® Black Masterbatches

Premium grades

Grade	Polymer base	Carbon Black type	Carbon Black, %	CaCO ₃ , %	MFR, g/10 min (21,6; 190°C; 2,095 mm)	Optical density	Filter-pressure test, bar/g	Application
PF1910/07-LP	LLDPE	ISAF	45	-	50±15	0,75±0,05	≤1,0 (15 mcm)	Stretch films, multilayer films, silanol-crosslinking compounds
PF1910/22-LP	LLDPE	P-type	40	-	10±2 (1,18 mm)	0,67±0,06	≤1,0 (5 mcm)	Fibers, stretch films, multilayer and lamination films
PF1905/29-PE	LDPE	P-type	40	-	65±15	0,68±0,06	≤1,0 (5 mcm)	Multilayer films, including milk packaging, lamination films
PF1910/02-LP	LLDPE	ISAF	40	-	10±5	0,69±0,07	≤1,0 (15 mcm)	Light stabilization of polymer pipes

Standard grades

Grade	Polymer base	Carbon Black type	Carbon Black, %	CaCO ₃ , %	MFR, g/10 min (21,6; 190°C; 2,095 mm)	Optical density	Application
PF1901/09-PE	LDPE+LLDPE	HAF/ FEF	50	-	7±4 (1,18 mm)	0,67±0,06	Extruded and injection molded goods made of polyolefins, packaging films, HDPE and LDPE packaging bags
PF1901/99-PE	LDPE	HAF/ FEF	50	-	35±10	0,66±0,05	
PF1905/40-PE	LDPE	SRF	50	-	10±5 (10; 190°C)	0,54±0,05	
PF1905/32-PE	LDPE	SRF	50	10	70±20	0,55±0,05	
PF1901/03-PE	LDPE	HAF/ FEF	45	-	35±10	0,53±0,05	
PF1901/06-PE	LDPE	HAF	35	20	3±1 (1,18 mm)	0,50±0,05	
P3901/01-PS	GPPS	ISAF	30	-	20±5 (5,0; 200°C)	-	Extruded and injection molded goods made of polystyrene plastics
P3901/10-PS	GPPS	ISAF	30	-	30±10 (5,0; 200°C)	-	

Economy grades

Grade	Polymer base	Carbon Black type	Carbon Black, %	CaCO ₃ , %	MFR, g/10 min (21,6; 190°C; 2,095 mm)	Optical density	Application
P1905/37-PE	LDPE	HAF	25	40	10±5	0,45±0,05	Extruded and injection molded goods made of polyolefins, packaging films, HDPE and LDPE packaging bags
PF1901/07-PE	LDPE	FEF	30	35	10±3 (1,18 mm)	0,40±0,05	
P1901/22-PE	LDPE	HAF	20	50	10±5 (1,18 mm)	0,40±0,05	
PF1901/50-PE	LDPE	HAF	15	60	70±20	0,30±0,05	

Listed above BASCO® masterbatches have food, toy and packaging approvals of Customs Union.