

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

Snow-white masterbatches of premium grades (PF1007/06-LP, PF1007/07-LP, PF1010/99-LP, etc.) are recommended for colouring thin, multilayer and lamination PE-films with the content of masterbatches up to 30% without decreasing of mechanical properties of PE-films. This grade contains up to 70% titanium dioxide from world-famous companies: Kronos (USA) and DuPont (USA). Titanium dioxide from alternative suppliers is used for the production of white grades such as P1001 and PF1001.

Snow-white masterbatches of standard grades (PF1010/05-PE, PF1010/15-PE, etc) and white masterbatches (PF1001/072-LP, etc) and also economic grades (PF1001/08-PE, PF1001/07-PE, PF1001/34-PE, PF1001/110-PE, etc) for colouring LDPE and HDPE packaging bags. The recommended dosage is 2-5%.

Snow-white masterbatches PF1011 contain from 0,9 up to 2,5% of slip agents (oleamide or erucamide), decreasing the coefficient of friction of PE-films to 0,1–0,2 and giving them more gloss. The recommended dosage is 3–10% depending on the film thickness and content of slip agent.

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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 sites in Russia. BARS-2 Quality Management System is in accordance with requirements of ISO 9001:2015 in IQNET system since 2004 .

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BASCO® White Masterbatches

BASCO® white polyolefin masterbatches have good opacity and bright white colour



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ISO 9001



Reg. № ПООС RUAC09.01000

Premium grades

Grade	Polymer base	% TiO ₂	Loading, %	Additives*	MFR, g/10 min (2,16; 190°C)	Whiteness, WI, D65	Optical density	Filter-pressure test, bar/g (5 mcm)	Application
PF1007/17-LP	LLDPE	70	70	PPA	10±2	92±2	0,45±0,08	0,4±0,2	Multilayer films, including milk packages, lamination films
PF1007/07-LP	LLDPE	70	70	PPA	12±3	91±2	0,45±0,08	0,7±0,3	
PF1007/09-LP	LLDPE	70	70	-	10±2	90±2	0,45±0,08	0,4±0,2	
PF1007/06-LP	LLDPE	60	60	PPA	16±2	90±2	0,40±0,08	0,7±0,3	
PF1007/16-LP	LLDPE	60	60	-	12±3	91±2	0,35±0,07	0,5±0,2	
PF1010/99-LP	LLDPE	70	70	PPA, OB	9±2	90±2	0,40±0,08	1,5±1,0	Multilayer films, packaging PE-films
PF1011/17-LP-34	LLDPE	70	70	PPA, S- 1%	12±3	90±2	0,40±0,08	0,8±0,2	

* – additives: bluish undertone (BU), optical brightener (OB), polymer processing aid (PPA), slip (S)

Standard grades

Grade	Polymer base	% TiO ₂	Loading, %	Additives*	MFR, g/10 min	Whiteness, WI, D65	Optical density	Filter-pressure test, bar/g	Application
P1010/01-PE	LDPE	50	60	BU	8±2 (2,16; 190°C)	90±2	0,30±0,05	2,0±1 (5 mcm)	Colouring extrusion, injection molding and blow molding goods from polyolefins
P1010/13-PP	PP	30	30	BU	7±2 (2,16; 230°C; 1,18 mm)	H/д	0,20±0,05	3,5±1 (5 mcm)	
P1010/06-PP	PP	60	60	BU	7±2 (2,16; 230°C)	85±2	0,30±0,05	2,0±1 (5 mcm)	
P1010/16-PP	PP	60	78	OB, BU	7±2 (2,16; 230°C)	85±2	0,25±0,05	0,2±0,1 (15 mcm)	
PF1001/072-LP	LLDPE	70	75	BU	24±3 (2,16; 190°C)	89±2	0,35±0,05	2,0±1 (5 mcm)	Colouring extrusion, injection molding and blow molding goods, packaging PE-films
PF1010/01-PE	LDPE	50	70	BU	38±5	89±2	0,30±0,05	3,0 (5 mcm)	
PF1010/13-PE	LDPE	50	70	-	22±5 (2,16; 190°C)	90±2	0,30±0,05	1,0±0,5 (5 mcm)	
PF1010/05-PE	LDPE	60	75	BU	23±5 (2,16; 190°C)	89±2	0,35±0,05	8,0±2 (5 mcm)	Packaging PE-films. Colouring extrusion, injection molding and blow molding goods with high whiteness.
PF1010/15-PE	LDPE	60	75	-	23±5 (2,16; 190°C)	87±2	0,35±0,05	8,0±2 (5 mcm)	
PF1010/150-PE	LDPE	60	75	OB	20±5 (2,16; 190°C)	94±2	0,35±0,05	2,5±1 (5 mcm)	
PF1010/47-LP	LLDPE	70	70	PPA	11±3 (2,16; 190°C)	86±2	0,40±0,05	2,0±1 (5 mcm)	Packaging PE- films, including multilayer films and films for milk packages
PF1010/96-LP	LLDPE	60	75	OB	26±3 (2,16; 190°C)	86±2	0,35±0,05	2,5±1 (5 mcm)	

* – additives: bluish undertone (BU), optical brightener (OB), polymer processing aid (PPA), slip (S)

Economy grades

Grade	Polymer base	% TiO ₂	Loading, %	Additives*	MFR, g/10 min (2,16; 190°C)	Whiteness, WI, D65	Optical density	Filter-pressure test, bar/g	Application
PF1001/07-LP	LLDPE	25	75	OB	12±4	90±2	0,18±0,05	5,0±0,5 (10 mcm)	Colouring extrusion, injection molding and blow molding goods, packaging PE-films
PF1001/04-LP	LLDPE	50	75	-	18±2	82±2	0,30±0,05	5,0±1 (10mcm)	
PF1001/31-PE	LDPE	45	77	-	15±5	80±2	0,30±0,05	0,5±0,2 (15 mcm)	
PF1001/34-PE	LDPE	45	80	PPA, OB	10±2	84±2	0,30±0,05	6,0±1 (10 mcm)	
PF1010/90-PE	LDPE	25	50	OB	12±3	102±2	0,18±0,05	6,0±1 (15 mcm)	
PF1001/08-PE	LDPE	40	80	BU, PPA	10±2	86±2	0,30±0,05	5,5±1 (5 mcm)	
PF1001/110-PE	LDPE	60	78	BU	20±4	87±2	0,31±0,05	4,0±1 (10mcm)	

* – additives: bluish undertone (BU), optical brightener (OB), polymer processing aid (PPA), slip (S)