

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

Snow white masterbatches of premium group (PF1007/06-LP, PF1007/07-LP, PF1010/99-LP and PF1007/30-LP) are recommended for thin, multilayer and lamination PE-films with masterbatches content up to 30%, without physical and mechanical properties deterioration of PE-films.

These grades contain up to 70% titanium dioxide from world-famous companies: Kronos (USA) and DuPont (USA). Titanium dioxide from alternative suppliers is used for white grades production such as P1001, PF1015 and PF1001.

Snow white masterbatches of standard group – PF1007/27-LP, PF1015/21-PE, PF1015/22-PE, etc. The recommended dosage is 2–15%.

Economy grades (PF1001/110-PE, PF1001/31-PE, PF1001/08-PE, PF1001/07-LP etc) are developed for LDPE and HDPE packaging bags. The recommended dosage is 2–5%.

BARS-2 Scientific and Production Company

Head Office:

Optikov 4, 197374, Saint-Petersburg, Russia

Tel.: +7 812 346 78 82 ext.490

E-mail: [dubrovskaya@bars2.com](mailto:dubrovskaya@bars2.com)

E-mail: [bars2@bars2.com](mailto:bars2@bars2.com)

[basco-masterbatch.com](http://basco-masterbatch.com)



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® White Masterbatches

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



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## Premium grades

Grade	Polymer base	% TiO <sub>2</sub>	Filler	Undertone	MFR, g/10 min (2,16; 190°C)	Whiteness, WI, D65	Optical density	Filter-pressure test, bar/g (5 mcm)	Application
PF1007/07-LP	LLDPE	70		N	10±2	91±2	0,42	0,5	Multilayer films, including milk packaging, lamination films
PF1007/06-LP	LLDPE	60		N	16±2	91±2	0,38	0,5	
PF1010/99-LP	LLDPE	70		N	10±2	90±2	0,41	1,0	
PF1007/30-LP	LLDPE	70		N	10±3	88±2	0,42	1,1	

N – neutral.

## Standard grades

Grade	Polymer base	% TiO <sub>2</sub>	Filler	Undertone	MFR, g/10 min	Whiteness, WI, D65	Optical density	Filter-pressure test, bar/g (5 mcm)	Application
PF1007/27-LP	LLDPE	70		N	10 ±3	85±2	0,40	2,5	Multilayer films, PE-films for packaging
PF1007/37-PE	LLDPE	70		N	13 ±3 (2,16; 190°C)	85±2	0,40	2,5	
PF1015/21-PE	LDPE	70	Yes	N	12 ±4 (2,16; 190°C)	85±2	0,40	7,0	
PF1007/34-LP	LDPE	60		N	10±3 (2,16; 190°C)	85±2	0,36	2,0	PE-films for packaging, extruded, injection molded and blow molded goods with high technical level and high whiteness requirements
PF1015/22-PE	LDPE	60		N	10±3 (2,16; 190°C)	85±2	0,37	7,0	
PF1010/23-LP	LLDPE	60	Yes	B	12 ±4 (2,16; 190°C)	90±2	0,37	2,5	
PF1015/23-PE	LDPE	50	Yes	N	10±3 (2,16; 190°C)	85±2	0,32	7,0	
P1010/01-PE	LDPE	50	Yes	B	9±2 (2,16; 190°C)	90±2	0,33	5,0	
PF1010/01-PE	LDPE	50	Yes	B	38±5 (2,16; 190°C)	89±2	0,32	3,0	
PF1010/56-LP	LLDPE	45	Yes	N	10±3 (2,16; 190°C)	88±2	0,30	5,0	Extruded, injection molded and blow molded goods, PE-films for packaging
PF1010/13-PE	LDPE	40	Yes	N	22±5 (2,16; 190°C)	90±2	0,25	5,0	
P1010/06-PP	PP	60	Yes	B	7±2 (2,16; 230°C)	88±2	0,37	5,0	Extruded, injection molded and blow molded goods made of polyolefins
P1010/16-PP	PP	60	Yes	B	10±2 (2,16; 230°C)	85±2	0,35	5,0 (10mcm)	
P1009/23-PP	PP	50	Yes	B	20±5 (2,16; 230°C)	88±2	0,33	5,0 (10mcm)	
P1001/51-PP	PP	40	Yes	M	16±4 (2,16; 230°C; 1,18 mm)	-	0,25	3,5	
P1010/13-PP	PP	30	Yes	B	7±2 (2,16; 230°C; 1,18 mm)	-	0,20	3,5	

N – neutral; B – bluish; M – milky.

## Economy grades

Grade	Polymer base	% TiO <sub>2</sub>	Filler	Undertone	MFR, g/10 min (2,16; 190°C)	Whiteness, WI, D65	Optical density	Filter-pressure test, bar/g (10 mcm)	Application
PF1001/110-PE	LDPE	60	Yes	B	20±4	87±2	0,35	5,0	Extruded, injection molded and blow molded goods, PE-films for packaging
PF1001/31-PE	LDPE	45	Yes	M	25±5	80±2	0,30	5,0	
PF1001/08-PE	LDPE	40	Yes	B	10±3	86±2	0,27	7,0	
PF1001/107-PE	LDPE	35	Yes	M	15±5	80±2	0,25	5,0	
PF1015/35-LP	LLDPE	25	Yes	B	10±3	89±2	0,20	5,0	
PF1001/07-LP	LLDPE	25	Yes	M	12±4	90±2	0,18	7,0	
PF1015/19-LP	LLDPE	15	Yes	B	8±4	90±2	0,15	5,0	
PF1005/112-LP	LLDPE	10	Yes	M	≥2 (5,0;190°C)	90±2	0,12	5,0	

N – neutral; B – bluish; M – milky.