

ROMBEST® BLACK MASTERBATCHES FOR FIBERS

TECHNICAL INFORMATION

ROMBEST® BLACK masterbatches for PP or PET fibers are concentrates of carbon-black in a polymer carrier. They offer a convenient way of incorporating carbon-black in textile products, to provide black color and improve UV-resistance, without contamination by dust and with good dispersion which is essential for maximum coloring strength and good UV-stabilization.

PRODUCTS AND APPLICATIONS

The basic product line consists of the following masterbatches:

a) **ROMBEST BLACK 4401P AND 4410P**

BLACK 4401P contains 40% of a specially selected P type carbon black, having an excellent dispersion in a LLDPE carrier. Its optimized rheological properties make it ideal for long trouble-free production run in BCF and CF applications.

BLACK 4410P also contains 40% of an alternative premium P type carbon black in LLDPE carrier. It offers the same properties to the yarn, as BLACK 4401P, however the different type of pigment in its recipe imparts a slightly different shade in the end product.

b) **ROMBEST BLACK PPFA934P**

BLACK PPFA934P is a cost efficient black masterbatch for polypropylene yarns, containing 30% of a P type carbon black in a PP homopolymer carrier. It has an excellent dispersion and controlled rheology and the presence of an antioxidant package in its recipe protects the end product from thermal degradation during processing or end use.

c) **ROMBEST BLACK PPFA935**

BLACK PPFA935 is a PP based masterbatch containing 35% of a special extra clean and high jetness carbon black. This product aims to provide the following advantages to fiber producers:

- Increased color strength
- Blue tone, as expressed in b* value in CIELab coordinates
- Optimum filterability / spinnability, due to the excellent dispersion of carbon black in PP carrier
- Excellent homogenization of masterbatch with PP / Elimination of melt dripping in spinneret
- Increased resistance to heat degradation, especially in spinning processes

reaching 250deg. Celsius of melt temperature

BLACK PPFA935 is particularly recommended for use in high speed spinning processes and low denier fibers.

d) ROMBEST BLACK PT6301

It is a PBT (Poly – Butylene – Terephthalate) based masterbatch containing 30% of an extra clean and high jetness carbon black (the same type as in BLACK PPFA935). BLACK PT6301 has an excellent dispersion and optimum rheological properties, which make it suitable for PET or PBT fibers.

FOOD APPROVAL STATUS

All above masterbatches contain raw materials, which, according to their suppliers, are approved for contact with food.

**ROMBEST MASTERBATCHES FOR FIBERS
PRODUCT RANGE**

ROMBEST BLACK	Carrier	Carbon black type	Undertone	Carbon black content (%)	Antioxidants	Applications		
						BCF	CF	Spun bonded
4401P	LLDPE	P	Brownish	40	No	•	•	o
4410P	LLDPE	P	Brownish	40	No	•	•	o
PPFA934P	PP-h	P	Brownish	30	Yes	•	•	o
PPFA935	PP-h	High jetness	Bluish	35	Yes	•	•	•
PT6301	PBT	High jetness	Bluish	30	Yes	•	•	

• : recommended o : can be used

The information and suggestions contained herein are the result of our experience, knowledge and research. They are believed to be reliable and are given in good faith. However, no warranty is provided, as the conditions under which our products are used are beyond our control.