



TECHNICAL DATA SHEET

Product Name: BIOBLAKR® - PE

Description: BIOBLAKR®- PE is a black low-density polyethylene masterbatch containing USDA certified 99% new carbon* (see label above). This product is designed for injection molded commercial products requiring a wide-spectrum black color.

Method of Usage: BIOBLAKR® - PE is designed for ease of dispersion and is therefore suitable for direct addition and mixing with plastic resins in a mixer, avoiding pollution and mal-scattering problems caused by pigment. 3% to 5% let-down ratio is recommended depending on the application. Should be dried to less than 0.1% moisture before usage in a desiccant dryer for 2 – 3 hours at 90 °C with dew point of air at -40 °C. Competitive Green Technologies recommends the entire product be consumed at the time of opening the aluminum foil lined packaging. If material cannot be consumed, the aluminum foil lined packaging must be re-sealed to prevent moisture absorption.

Range of Application: BIOBLAKR® - PE is designed for use in PP, HDPE, and LDPE.

Packaging: BIOBLAKR® is a registered trademark of Competitive Green Technologies. BIOBLAKR® -PE is supplied in pellet form packaged in 25 kg aluminum bags, 545 kg gaylords, or 818 kg supersacks containing an aluminum foil liner. It should be stored in a cool, dry location and remain sealed when not in use.

Physical Properties	Typical Values*
Carrier	Polyethylene
Pigment Content	40%-50%
Density	1.10 g/cm ³
Melt Flow Index	21.45 g/10 min. @ 190°C/2.16-kg
**Electrical Conductivity	0.8 S/m @ 1000 kPa compression pressure
**Thermal Conductivity	0.6679 W/m-K

Note: Values provided are typical and should not be interpreted as product specification.

The results reported are typical with the caveat that due to variable processing methods and conditions, no guarantees or warranties are expressed or implied, including expressions of fitness for purpose or merchantability.
This is a patented formulation.

*We have used patented Bio-Carbon substitute which has been certified by USDA as per above label as 99% new carbon.

**Electrical Conductivity and Thermal Conductivity measurements are reflective of biocarbon



Rev. [1]
Revision Date: 2024-04-22

