

PRODUCT CODE **5500 BK High Concentrated**
DESCRIPTION **Nano Carrier-free Black Masterbatch**

APPLICATIONS Engineering plastics, high-performance engineering plastics, fireproof materials, materials which are difficult to dye black - **ABS, Nylon, PC, PC/ABS, POM, PBT, PPA, PPS, LCP, PEEK.**

CORE STRENGTH

- ✓ **Bluish tone**, superb blackness, high concentration, carrier-free, produced by high technology, low dosage, low cost and easy to process.
- ✓ Excellent dispersity and compatibility, high temperature resistant, good colouring effect, no migration, jet black and glossy.
- ✓ Low dosage thus low impact on physical properties. Best rated physical properties in terms of toughness, fire resistance, heat resistance, intensity, etc. among all the same level products.
- ✓ **The difference between bluish tone black masterbatch and reddish tone black masterbatch : stronger adhesion, absolutely no bleeding, excellent blackness, higher level application, and high product value.**
- ✓ **Especially in fireproof plastics, fireproof TPE and fireproof TPU. Average dosage 2%. Other brands use >4%, higher costs and affect physical properties.**
- ✓ **The dosage of halogen-free fire-retardant red phosphorus is high. Hence, bluish tone black masterbatch is used for better colour rendering.**

DOSAGE • 0.5~1.5 %. Average dosage in the industry : 1 %
 • PA, PPA average dosage : 0.5 %

PROPERTIES

Properties	Value
Physical State	Pellet
Pigment	Carbon Black
Carrier	Olefin Wax
MFI = 21.6 kg / 190°C	≥ 32 g / 10 min
Moisture Content	< 0.15 %

INTERNATIONAL QUALITY STANDARD COMPLIANCE



PACKAGING / STORAGE • 25 kg paper bag
 • Store in a dry place to avoid moisture.
 • Avoid sunshine or it may affect the quality.
 • Keep away from fire and pay attention to inventory safety.