

Specification for HDPE Master Batch Black

- I Scope: This standard covers the requirement for HDPE Master Batch Black.
- II Related specifications & references:
  - BS- 4646: specification for HDPE.
- III Specific condition of material:
  - 1. Base of material out of which HDPE Master Batch Black will be made shall be any of the following:
    - a) HDPE grade PF-5577 of M/s NOCIL.
    - b) HDPE grade B52A003 OF M/s GAIL.
    - c) HDPE grade 54GB012 of M/s IPCL.
    - d) HDPE grade W43006 of M/s Reliance.
  - 2. Carbon Black content loading in Master Batch shall be 12 ± 1%.
  - 3. Particle Size: 10 to 25 nano meter and shall conform to BS 4646.
  - 4. Dispersing Agent and Antioxidant in HDPE shall be any of those mentioned in BS 4646.
  - 5. Dispersion of Carbon black shall be uniform and free of aggregates when tested as per BS-4646.
  - 6. Oxidation of base HDPE Material during blending process should be avoided and no trace of oxidised material should be present in master batch in chemical analysis
- IV Packaging:
  - 1. Material should be free from all contaminations and moisture.
  - 2. Material shall be supplied in 25 Kg bags duly sealed and marked with following:
    - a. "HDPE Master Batch Black"
    - b. Grade number of manufacture.
    - c. Quantity in Bag i.e. (00.0 Kg)
    - d. Batch Number and Month &Year ( mm/ yy ) of manufacture
- V Quality Assurance:
  - 1. The delivery shall be visually inspected by quality assurance officer to ascertain its homogeneity in respect of nature, size, shape, source and year of manufacture.
  - 2. Each lot/batch shall be checked by supplier and accompanied by test certificate.
  - 3. The material should be uniform in quality and condition, clean, free from foreign material and defects.

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