



## **Technical Data Sheet**

### **Stabilized Polyethylene Homopolymer Wax GRADE PA58**

PA58 is the polyethylene homopolymer wax that is fortified with special antioxidants and having unique properties derived from HDPE manufacturing and purifying process.

PA58 provides can act as a lubricant which stabilizers and modifies the thermal and melt flowability properties

#### **Typical Application**

Masterbatch  
HFFR compounding  
Cable Filling □

#### **Product Characteristics**

thermal stability  
Improved flowability  
Low molecular weight

#### **International specification**

#### **Physical properties**

##### **Property**

Viscosity @ 149°C

Density

Penetration Hardness

Dropping Point

Melting point

##### **Test Method**

ASTM D 3236

ASTM D 1505

ASTM D 1321

ASTM D 3954

DSC Peak

##### **Value Unit**

20 - 40 cPs

0.94 g/cm<sup>3</sup>

2 d.mm

116 °C

94, 119 °C

#### **Processing Guidelines**

The recommended melt temperature of PA58 130 - 180° C. It is recommended to use mixing machine giving good homogenisation. The recommend dosage depend on the intended applications which show below :

Masterbatch 5 % is recommended to improve additives or filler dispersion in polyolefin bases.

HFFR 3% for excellent stability and processibility characteristics

Cable Filling 5 - 10 phr is recommended to improve moisture barrier properties.

Product Available Form : Power

Product Packaging : 20kg/per bag

#### **Storage**

- Product(s) should be stored in dry and dust free location at temperature below 50°C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

#### **Safety**

The product is not classified as a hazardous material.

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