

580 F (PE WAX)

580 F is the polyethylene wax having unique properties produced from thermal cracking process. Our high technologies and processing control, resulting in good consistency of qualities with uniform color and physical characteristics of wax so it can be used in various applications.

APPLICATION AREAS

- Hot melt adhesive
- PVC compound
- Color masterbatch
- Rubber
- Coatings
- Cable
- Inks
- Textile Emulsions
- Powder Paints

RECOMMENDED DOSAGE

The recommended melt temperature of 580 F is 130 - 150 oC. It is recommended to use mixing machine giving good homogenization.

Applications (Function)

Hot melt adhesive (Viscosity reduction and heat resistance)

PVC compound (improvement Excellent lubrication)

Color masterbatch (Dispersing agent)

Rubber (Viscosity reduction and lubricant)

PACKAGING

- 20 Kg woven bag
- 500 Kg bigbag

INTERNATIONAL COMPLIANCE

- Directive 2002/95/EC (RoHS) and Directive 2011/65/EU (RoHS Recast)
- Regulation (EC) No.1907/2006 (REACH)
- Directive 94/62/EC (Packaging and Packaging Waste)
- EN71 Part3: 2013 European Standard on Safety of Toy

PRODUCT CHARACTERISTICS

- Excellent pigment wettability
- Excellent lubrication
- Excellent chemical resistance
- Good heat resistance and thermal stability
Excellent anti-sticking properties when used in PVC melts
- Provides excellent organoleptic properties, brilliant dispersing properties for pigments, fillers and additives as well as thermal stability and colour stability

CHEMICAL AND PHYSICAL PROPERTIES

| ANALYSIS METHOD | TEST METHOD | SPECIFICATION LIMITS |
|----------------------|-----------------|------------------------------|
| Appearance | - | Snow White Flake |
| Viscosity(140°C) | ISO 3219 | 10-50 cSt. |
| Density | ISO 1183-2 | 0.90 ±0.05 g/cm ³ |
| Penetration Hardness | ASTM D1321 | 3 d.mm |
| Softening Point | ASTM D3954 | 90-115 °C |
| Melting Point | ASTM D2117 | 95 ±5 °C |
| Flash Point | ASTM D92 | 150 ±10 °C |
| Oil Content | ASTM D721 | Max. 5.0 % |
| Ash Content | ASTM D5630 | Max. 0.3 % |
| Volatile Content | 110 ±5°C @ 1hr. | Max. 0.5 % |

OCCUPATIONAL HEALTH AND SAFETY

Appropriate personal protective equipment should be used. Wearing a mask, protective clothing, gloves, and eye/face protection is recommended.

Uncontrolled release of the product into the environment should be avoided. For more detailed information, refer to the Material Safety Data Sheet (MSDS).

The MSDS, which contains information about the safe transportation, storage, and handling of the product, is available upon request.

This technical data sheet does not exempt users from complying with relevant legal regulations related to food safety, handling hazardous substances, and occupational health and safety.

None of the statements in this document should be interpreted as permission to violate third-party patents or applicable laws and regulations.