



Technical Data Sheet (TDS) – LLDPE Wax

1. Product Identification

- **Product Name:** LLDPE Wax
- **Chemical Name:** Polyethylene Wax
- **Product Type:** Industrial-Grade Polyethylene Wax
- **CAS Number:** To be confirmed by the manufacturer
- **Appearance:** To be confirmed for the specific grade
- **Application:** Plastic processing, masterbatch, pigment dispersion, and selected mineral-filled compounds

2. Product Description

LLDPE Wax is a polyethylene-based wax used as a functional additive in selected industrial formulations. Depending on its grade and physical properties, it can support lubrication, influence melt flow, and assist pigment or filler incorporation.

Manufacturers select this material according to the requirements of their polymer system, processing conditions, and final product specifications.

3. Technical Specifications

Property	Specification
Appearance	Manufacturer to specify
Physical Form	Powder, flakes, granules, or other specified form
Color	Manufacturer to specify
Melting Point / Range	Grade-specific
Melt Viscosity	Grade-specific
Density	Grade-specific
Molecular Weight	Grade-specific, where available
Particle Size	Grade-specific, where applicable
Moisture Content	Manufacturer to specify
Packaging	Subject to supplier confirmation

Note: The values above must be completed using the manufacturer's official technical data for the selected grade.



4. Typical Applications

LLDPE Wax may be used in selected formulations for:

- **Masterbatch Production:** Supporting pigment incorporation and processing.
- **Pigment Dispersion:** Assisting pigment distribution in compatible systems.
- **Plastic Processing:** Influencing friction and melt flow during compounding and extrusion.
- **Mineral-Filled Plastics:** Supporting the processing of selected filler-loaded compounds.
- **Polymer Compounding:** Serving as a functional additive in compatible polyolefin formulations.

Performance depends on the formulation, processing conditions, and dosage.

5. Processing and Handling

Manufacturers should determine the appropriate dosage and processing temperature through formulation trials. Confirm compatibility with the carrier resin and other additives before full-scale production.

Store the product in its original, tightly closed packaging in a dry, clean area. Follow the supplier's safety data sheet for handling, storage, dust control, and personal protective equipment requirements.

6. Quality Control

Request the manufacturer's Certificate of Analysis (COA) for batch-specific test results. Relevant parameters may include melting behavior, viscosity, density, and other agreed quality criteria.

The Technical Data Sheet describes the product's general properties; the COA documents the results for a particular batch.



7. Packaging and Storage

- **Packaging:** Confirm available packaging sizes with the supplier.
- **Storage:** Keep in a cool, dry, well-ventilated area, following the manufacturer's instructions.
- **Shelf Life:** Confirm the recommended shelf life with the manufacturer.

8. Disclaimer

This document is a general TDS template, not an official manufacturer-issued specification. Actual product properties, application suitability, and acceptance limits must be confirmed using the technical documentation for the specific grade.