



Technical Data Sheet

Fully Refined Paraffin Wax 0.5%

Product Name: Fully Refined Paraffin Wax 0.5%

Product Type: Petroleum-based refined paraffin wax

Oil Content: Max 0.5%

Appearance: White solid wax

Common Forms: Slab, block, granule, pellet, or pastille

Typical Applications: Candles, cosmetics, packaging, rubber, polishes, coatings, adhesives, paper treatment, textile finishing, and industrial blending.

Product Description

Fully Refined Paraffin Wax 0.5% is a high-purity petroleum wax with very low oil content, clean white color, low odor, and stable melting behavior. It is suitable for applications that require consistent quality, smooth finish, good hardness, moisture resistance, and reliable performance in industrial production.

This grade is commonly selected for premium candle manufacturing, food packaging coatings, cosmetics, rubber protection, polishing compounds, and specialty formulations.

Typical Properties

Property	Typical Value	Test Method
Appearance	White solid	Visual
Oil Content	Max 0.5%	ASTM D721
Melting Point	58–60°C	ASTM D87 / ASTM D938
Color	White / Saybolt +25 min	ASTM D156
Odor	Low odor	Organoleptic
Penetration at 25°C	12–18 dmm	ASTM D1321
Kinematic Viscosity at 100°C	4–6 cSt	ASTM D445
Flash Point	220°C min	ASTM D92
Congealing Point	56–58°C	ASTM D938
Water Content	Nil / Trace	Visual
Mechanical Impurities	Nil	Visual
Ash Content	Max 0.05%	ASTM D482



Key Features

Fully Refined Paraffin Wax 0.5% offers:

- Very low oil content
- Bright white appearance
- Low odor
- Good hardness
- Smooth surface finish
- Excellent moisture resistance
- Stable melting performance
- Good compatibility with many waxes, resins, oils, pigments, and additives
- Reliable performance in repeated production batches

Applications

Candle Manufacturing

Used in pillar candles, container candles, tealights, votive candles, decorative candles, religious candles, and scented candles.

Packaging and Paper Coating

Improves water resistance, gloss, surface protection, and barrier properties in paper, carton, and board applications.

Cosmetics and Personal Care

Used in balms, creams, sticks, ointments, and protective formulations where suitable purity and compliance requirements are met.

Rubber Industry

Acts as a processing aid and protective wax in rubber compounds, tire production, hoses, belts, and molded rubber goods.

Polishes and Coatings

Used in shoe polish, floor polish, car polish, wood coating, leather treatment, and industrial surface protection.



Adhesives and Blending

Used in hot melt adhesives, masterbatch formulas, waterproofing compounds, textile finishing, and specialty wax blends.

Packaging Options

Common packaging options include:

Packaging Type	Net Weight
Bags	25 kg
Cartons	25 kg
Palletized Packing	As requested
Customized Export Packing	Available on request

Storage Conditions

Store in a clean, dry, cool, and well-ventilated area. Keep away from direct sunlight, moisture, dust, open flames, and strong odors. Keep packaging closed until use.

Recommended storage temperature: below 35°C.

Handling Guidelines

Use clean handling equipment to prevent contamination. Avoid overheating during melting. Follow the Safety Data Sheet before processing, heating, or blending the product.

Shelf Life

Typical shelf life is 24 months from production date when stored in original sealed packaging under recommended storage conditions.

Safety Information

Fully Refined Paraffin Wax 0.5% is stable under normal storage and handling conditions. During heating, avoid excessive temperatures and provide proper ventilation. For full safety, transport, and handling information, refer to the product SDS.