



## TECHNICAL DATA SHEET

### Semi Refined Paraffin Wax 5–7% Oil Content

**Supplier:** Basekim

**Product Name:** Semi Refined Paraffin Wax 5–7%

**Product Type:** Semi-refined paraffin wax

**Chemical Family:** Petroleum hydrocarbon wax

**CAS Number:** 8002-74-2

**Issue Date:** 21 May 2026

**Version:** 1.0

#### 1. Product Description

Semi Refined Paraffin Wax 5–7% is a petroleum-based hydrocarbon wax produced from refined slack wax. It is a white to off-white solid wax with medium oil content, good plasticity, water resistance, and stable burning properties.

This grade is suitable for general industrial applications where fully refined wax is not required.

#### 2. Typical Applications

Semi Refined Paraffin Wax 5–7% may be used in:

- Candle manufacturing
- Packaging and coating
- Match industry
- Rubber and tire processing
- Textile finishing
- Polishing compounds
- Wood and paper coating
- Waterproofing applications
- Adhesives and sealants
- General industrial wax blends



### 3. Typical Properties

Property	Typical Value
Appearance	White to off-white solid
Form	Slab, block, pellet, granule, or pastille
Oil Content	5–7%
Melting Point	50–68°C
Congealing Point	50–65°C
Penetration at 25°C	15–35 dmm
Color	White to light yellow
Odor	Mild petroleum odor
Density at 25°C	0.80–0.95 g/cm <sup>3</sup>
Flash Point	>200°C
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble in hydrocarbon solvents
Ash Content	Max. 0.1%
Moisture Content	Max. 0.5%

*Values are typical and should not be considered as exact product specifications unless confirmed by supplier certificate of analysis.*

### 4. Performance Characteristics

- Medium oil content wax
- Good flexibility and plasticity
- Good water resistance
- Good burning performance
- Easy blending with other waxes and oils
- Compatible with many hydrocarbon-based materials
- Suitable for industrial and candle applications
- Economical alternative to fully refined paraffin wax



## 5. Packaging

Typical packaging options include:

Packaging Type	Net Weight
Bags	25 kg
Cartons	25 kg
Slabs in bags	25 kg
Jumbo bags	As agreed with supplier

Packaging may vary according to customer requirements and supplier availability.

## 6. Storage and Handling

Store in a cool, dry, and well-ventilated area. Keep away from direct sunlight, excessive heat, open flames, sparks, and strong oxidizing agents.

Avoid overheating during melting or processing. Use proper ventilation when heating the product. Handle molten wax with suitable protective equipment to prevent burns.

## 7. Shelf Life

Recommended shelf life is **24 months** from production date when stored in original unopened packaging under proper storage conditions.

## 8. Safety Information

This product is not normally classified as hazardous in solid form. Molten wax can cause thermal burns. Fumes from overheated wax may cause irritation.

Refer to the product **MSDS/SDS** before handling, processing, storage, or transport.