Technical Data Sheet (TDS) – Slack Wax

Product Overview

Slack wax is a semi-refined petroleum wax containing residual oil. It offers flexibility, good processability, and cost efficiency for industrial applications.

Typical Properties (Representative Values)

Property	Test Method	Typical Value
Appearance	Visual	Off-white to pale yellow solid
Melting Point (Aston/Slip Point)	ASTM D938	45–58°C
Oil Content	ASTM D721	10–18 wt%
Penetration (25°C, 100g/5s)	ASTM D1321	10–30 dmm
Color (Saybolt)	ASTM D156	+10 to +30
Density @ 25°C	ASTM D1505	~0.89–0.92 g/cm³
Viscosity of Liquid Portion	ASTM D445	Typical of base oil range
Flash Point (PMCC)	ASTM D93	>200°C

Note: These values are typical ranges. Always refer to the batch COA for procurement.

Performance & Use Notes

Melting Point: Choose based on processing temperature and climate.
Oil Content: Higher oil = more flexibility, lower firmness. Lower oil = firmer, closer to semi-refined paraffin.
Blending: Slack wax blends well with polymers, additives, and refined waxes.
Heat Handling: Heat uniformly; avoid localized overheating.

No.3509 THE BURLINGTON TOWER, BUSINESS BAY
Tell: 0097142369830

Applications

- Candle cores, utility candles
- Rubber and tire processing aids
- Match & board treatment
- Coatings and inks
- Feedstock for refined wax production

Storage, Handling & Safety

- Store below 40°C if possible
- Limit dust formation
- Use heat-resistant gloves when working with molten wax

Packaging

Common forms include:

- Paper-wrapped slabs
- Bulk blocks
- Bags (poly-woven)

Packaging recommendations depend on climate, shipment distance, and storage.

Quality and Compliance

Slack wax may be tested per:

- **ASTM D938** (melting point)
- **ASTM D721** (oil content)
- **ASTM D1321** (penetration)
- **ASTM D156** (color)

Ask your supplier for SDS, TDS, COA, and lot identification to ensure traceability.

How Buyers Use These Documents

Procurement: Compare oil content, melting point, color, and packaging options.
Engineering: Confirm compatibility with downstream processes (mixing, heating, blending).
Safety: Align storage/handling requirements with your plant’s procedures.
Compliance: Track batch COA and SDS in your quality system.