

A silhouette of an oil pumpjack is positioned in the center of the image, set against a vibrant orange and yellow sunset. In the background, several other pumpjacks and industrial structures like storage tanks and power lines are visible, creating a sense of an active oil field. The overall atmosphere is industrial and dramatic.

AK PARAFFIN MANUFACTURING

A VARIETY OF PRODUCTS

UNDERSTANDING THE SCOPE OF BUSINESS



Considering the consumption of products in a wide range of industries as well as the different needs in the markets of different countries, we have prepared a set of different grades for supply and export.



With the aim of providing a secure platform for international buyers and traders, we have established constant stability in the quality of our products to be your reliable business partner in the trading process.



LIGHT PARAFFIN WAXES**1% LIGHT PARAFFIN WAX**

Fully refined Light solid paraffin with a maximum of 1% oil and crystalline, odorless with excellent penetration.

**APPLICATION**

White, odorless paraffin wax with 1% oil is considered a Fully Refined grade, and because it is clean, transparent, and low in oil, its applications are both industrial and hygienic. These are its most important uses: Candle making, cosmetic and health industries, pharmaceutical and medical industries, food packaging, light industrial polishes and waxes, textile

CHARACTERISTIC	METHOD	RESULT
<i>Oil content</i>	ASTM D721	0.5-1 %wt
<i>Sp.Gr @15 °C</i>	ASTM D1298	0.82-0.84
<i>Penetration@25 °C</i>	ASTM D1321	15
<i>Penetration @40 °C</i>	ASTM D1321	56
<i>Congealing Point</i>	ASTM D938	57-60 °C
<i>Melting Point</i>	ASTM D127	60-62 °C
<i>Viscosity At 100 °C</i>	ASTM D445	5-6 CST
<i>Flash Point</i>	ASTM D092	Min. 300°C
<i>Color</i>	METHOD (2"cell)	White / Transparent

COMPETITIVE QUALITY IN THE GLOBAL MARKET

LIGHT PARAFFIN WAXES



1-3% LIGHT PARAFFIN WAX

Light Paraffin Wax with 3% oil content is a semi-refined petroleum wax widely used in industrial applications where flexibility, cost efficiency, and smooth surface performance are required. Due to its balanced oil content, this grade offers good binding properties, easy processing, and reliable performance across various manufacturing processes.

APPLICATION

- Candle manufacturing (household candles, utility candles, and blended wax products)
- Rubber and tire industry (processing aid and softening agent)
- Board and paper coating (moisture resistance and surface treatment)
- Textile industry (fiber lubrication and finishing processes)
- General-purpose wax blends for

CHARACTERISTIC	METHOD	RESULT
<i>Oil content</i>	ASTM D721	2-3 %wt
<i>Melting Point</i>	ASTM D127	57-59 °C
<i>Viscosity At 100 °C</i>	ASTM D-445	6 - 7.5 CST
<i>Flash Point</i>	ASTM D-92	220-240°C
<i>Color</i>	METHOD (2"cell)	White

COMPETITIVE QUALITY IN THE GLOBAL MARKET

LIGHT PARAFFIN WAXES**3-5% LIGHT PARAFFIN WAX**

Light Paraffin Wax with 3-5% oil content is a semi-refined petroleum wax designed for industrial applications where higher flexibility, improved lubrication, and cost efficiency are required. This grade offers smooth processing characteristics and enhanced compatibility in blending and coating processes, making it an economical .

**APPLICATION**

- Higher flexibility compared to fully refined grades
- Improved lubrication and adhesion
- Easy melting and smooth processing
- Cost-effective for high-volume production
- Candle manufacturing (household candles, utility candles, and blended wax candles)
- Rubber and tire industry

CHARACTERISTIC	METHOD	RESULT
Oil content	ASTM D721	5 %wt
Melting Point	ASTM D127	55-58 °C
Viscosity At 100°C	ASTM D-445	4 - 5 CST
Flash Point	ASTM D-92	220-240°C
Color	METHOD (2"cell)	White

COMPETITIVE QUALITY IN THE GLOBAL MARKET

LIGHT PARAFFIN WAXES**5-7% LIGHT PARAFFIN WAX**

Light Paraffin Wax with 5-7% oil content is a semi-refined petroleum wax formulated for industrial applications that require high flexibility, enhanced lubrication, and economical performance. With its higher oil content, this grade provides excellent softness, easy processability, and strong compatibility in blending and coating operations.

APPLICATION

- Higher flexibility compared to fully refined grades
- Improved lubrication and adhesion
- Easy melting and smooth processing
- Cost-effective for high-volume production
- Candle manufacturing (household candles, utility candles, and blended wax candles)
- Rubber and tire industry

CHARACTERISTIC	METHOD	RESULT
<i>Oil content</i>	ASTM D721	5-7 %wt
<i>Sp.Gr @15 °C</i>	ASTM D1298	0.82-0.84
<i>Penetration@25 °C</i>	ASTM D1321	30-35 (0.1/mm)
<i>Penetration @40 °C</i>	ASTM D1321	56
<i>Congealing Point</i>	ASTM D938	57-60 °C
<i>Melting Point</i>	ASTM D127	56-58 °C
<i>Viscosity At 100 °C</i>	ASTM D445	5-6 CST
<i>Flash Point</i>	ASTM D092	Min. 300°C
<i>Color</i>	METHOD (2"cell)	White / Transparent

COMPETITIVE QUALITY IN THE GLOBAL MARKET

CHARACTERISTIC	METHOD	RESULT
<i>Kinematic Viscosity at 40°C</i>	ASTM D466	18-20 cSt
<i>Kinematic Viscosity at 100°C</i>	ASTM D466	3.5-4.0 cSt
<i>Viscosity Index</i>	ASTM D2270	118
<i>Flash Point</i>	ASTM D92	195-200 °C
<i>Pour Point</i>	ASTM D97	-3 - 0
<i>Appearance</i>	Vis.	Clear
<i>Density @ 20°C</i>	ASTM D1298	0.835-0.840
<i>Neutralization Value</i>	IEC 296	<0.01
<i>Odor</i>	-	Odorless
<i>Aromatics Content (ppm)</i>	GC	Max.100
<i>Color (Saybolt)</i>	ASTM D1055	+25



COMPETITIVE QUALITY IN THE GLOBAL MARKET



LIQUID PARAFFIN (WHITE OIL)

Liquid Paraffin with a flash point of 200°C is a highly refined, colorless, and odorless mineral oil designed for applications requiring high thermal stability, purity, and safe handling. This grade offers excellent lubrication properties, low volatility, and consistent performance, making it suitable for industrial, cosmetic, and pharmaceutical-related applications.

APPLICATION

- Cosmetic and personal care products (creams, lotions, baby oil, hair oils)
- Pharmaceutical industry (ointments, laxative formulations, and medical lubricants)
- Plastic and polymer processing (processing aid and mold release agent)
- Textile industry (fiber lubrication and finishing oils)
- Rubber industry (softening and processing oil)
- Industrial lubrication for light machinery and precision components

Parameters	Range	Test Method
color	white	BP 2020
Appearance	Passed	BP 2020
Solubility	Practically	BP 2020
Kinematic Viscosity @100°C	5 CST	ASTM D 445
Drop Melting Point	53 °C	ASTM D 127
Flash Point	210	ASTM D 92
Polycyclic Aromatic	PASSED	BP 2020
Specific Gravity at 60°C	0.83	USP
Drop Point	55 °C	BP 2020
Acidity OR Alkalinity	PASSED	BP 2020
Odour	PASSED	BP 2020
Sulphated Ash	0.023	BP 2020
Congealing Point	56 °C	ASTM D 938
Penetration Consistency	115	ASTM D 937



AK PARAFFIN MANUFACTURING



COMPETITIVE QUALITY IN THE GLOBAL MARKET

PETROLEUM JELLY (VASELINE)

Vaseline, also known as Petroleum Jelly, is a highly refined semi-solid hydrocarbon product with excellent moisturizing, protective, and lubricating properties. Due to its high purity, smooth texture, and chemical stability, it is widely used in pharmaceutical, cosmetic, and industrial applications.

APPLICATION

- Cosmetics and personal care products (skin moisturizers, lip balm, hand and foot creams, baby care products)
- Pharmaceutical industry
- Personal hygiene products (protective skin barriers and healing formulations)
- Industrial lubrication (light mechanical parts, anti-corrosion protection)
- General-purpose protective coatings

HEAVY PARAFFIN WAXES



1-3% HEAVY PARAFFIN WAX

Heavy Paraffin Wax with 1-3% oil content is a high-quality semi to fully refined petroleum wax featuring high molecular weight, increased hardness, and excellent thermal stability. Due to its low oil content and heavy structure, this grade provides superior shape retention, clean burning behavior, and enhanced durability, making it suitable for demanding industrial applications.

APPLICATION

- Pillar and industrial candle manufacturing (thick candles, long-burning candles, outdoor and decorative candles)
- Wax blending (to increase hardness and melting point of lighter waxes)
- Protective and barrier coatings
- Paper and cardboard coating
- Specialty industrial wax applications

CHARACTERISTIC	METHOD	RESULT
<i>Oil content</i>	ASTM D721	3%wt
<i>Melting Point</i>	ASTM D127	62-66 °C
<i>Kinematic Viscosity At 100 °C</i>	ASTM D-445	6 - 7.5 CST
<i>Flash Point</i>	ASTM D-92	220-240°C
<i>Penetration Point @25 °C</i>	ASTM D-1321	31-36 (0.1/mm)
<i>Color</i>	ASTM D1500	0.5

COMPETITIVE QUALITY IN THE GLOBAL MARKET

HEAVY PARAFFIN WAXES



3-5% HEAVY PARAFFIN WAX

Heavy Paraffin Wax with 3-5% oil content is a semi-refined petroleum wax characterized by higher molecular weight, increased density, and enhanced hardness compared to light paraffin grades. This grade is designed for industrial applications that require greater structural strength, higher melting stability, and durable surface performance.



APPLICATION

- Industrial and pillar candle manufacturing (thick, long-burning, and outdoor candles)
- Rubber and tire industry (processing aid and hardness modifier)
- Board, cardboard, and paper coating (moisture resistance and surface strengthening)
- Wax blends for industrial use

CHARACTERISTIC	METHOD	RESULT
<i>Oil content</i>	ASTM D721	3-5 %wt
<i>Melting Point</i>	ASTM D127	62-68 °C
<i>Viscosity At 100 °C</i>	ASTM D-445	6 - 7.5 CST
<i>Flash Point</i>	ASTM D-92	220-240°C
<i>Color</i>	METHOD (2"cell)	White

COMPETITIVE QUALITY IN THE GLOBAL MARKET

HEAVY PARAFFIN WAXES



5-7% HEAVY PARAFFIN WAX

Heavy Paraffin Wax with 5-7% oil content is a semi-refined petroleum wax with a higher molecular weight, offering increased flexibility compared to lower oil heavy grades while maintaining good structural strength. This grade is designed for industrial applications that require balanced softness, enhanced lubrication, and cost effective performance.

APPLICATION

- Utility and industrial candle manufacturing (household candles, thick candles, and blended wax candles)
- Rubber and tire industry (softening agent and processing aid)
- Wax blending
- Paper, cardboard, and board coating
- General industrial wax formulations

CHARACTERISTIC	METHOD	RESULT
<i>Oil content</i>	ASTM D721	5-7%wt
<i>Melting Point</i>	ASTM D127	62-66 °C
<i>Kinematic Viscosity At 100°C</i>	ASTM D-445	6 - 7.5 CST
<i>Flash Point</i>	ASTM D-92	220-240°C
<i>Penetration Point @25 °C</i>	ASTM D-1321	41-45 (0.1/mm)
<i>Color</i>	ASTM D1500	0.5

COMPETITIVE QUALITY IN THE GLOBAL MARKET



YOUR RELIABLE MANUFACTURING PARTNER

QUALITY CONTROL & RELIABLE SUPPLY

We are committed to consistent quality, strict quality control, and reliable supply across all our product ranges. Each batch is produced under controlled conditions to ensure uniform performance, stable specifications, and on-time delivery, making us a dependable long-term partner for your business.

CUSTOMIZED PRODUCTION & PRIVATE PACKAGING

In addition to the products listed in this catalog, we offer customized production based on your required specifications and technical analysis. Our manufacturing capabilities allow us to adjust oil content, melting point, and other parameters according to your needs. We also provide private and customized packaging solutions under your brand or with your preferred packaging standards.

EXPORT EXPERIENCE & REGIONAL MARKET CONSULTATION

With proven experience in exporting to European countries, the Gulf region, and African markets, we understand the technical requirements, standards, and market expectations of each region. Our team is ready to provide professional consultation to help you select the most suitable product grades based on your target market and application.

LET'S WORK TOGETHER

From tailored specifications to reliable supply,
we support your business with consistent quality and long-term partnership.



www.akparaffin.com



+98 21 86175000
+98 21 86175005
+98 912 6625441



info@akparaffin.com

