WESTINOL

VIRGIN BASE OIL



Virgin Base oil is a refined petroleum product, the primary component of lubricants like engine oil and greases. It acts as a foundation for these lubricants, influencing their performance and characteristics. Different types of base oils are categorized into groups (I-V) based on their properties, with each group offering varying levels of quality and suitability for specific applications.

Our generic virgin base oil is at upper end of the specifications for Grade 1 base oils which has undergone solvent refining and dewaxing processes. It offers broad blending coverage with performance capabilities in a broad range of lubricant applications including marine, automotive and industrial applications.

APPLICATIONS:

- Gasoline and diesel engine oils
- Bi-fuel and gas engine oils
- Industrial lubricants
- Grease and special products

PACKAGING:

- Bulk
- Drum (208 lit)
- Flexi-Tank
- IBC

FEATURES & BENEFITS:

- Stable characteristics during operation
- Light color
- Appropriate thermal and oxidation stability
- Low volatility
- Excellent viscosity stability
- Appropriate VI
- High flash point
- Low TAN

STORAGE:

- Storing lubricant preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize lubricant life time
- Avoid temperature fluctuations, maintaining storage temperature around 25°C will be of great help to lubricant quality protection. This product is stable in ambient conditions, non-corrosive and can be stored in mild steel containers

HEALTH, SAFETY & ENVIRONMENT:

- This product is stable in ambient conditions and is practically non-irritating to skin and eyes
- Avoid prolonged and repeated skin contact with used oil
- In case of skin contact, wash with soap and water
- Avoid environmental pollution
- Return used oil to collection centers

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PRODUCTS

VIRGIN BASE OIL

Property	Unit	TestMethod	Specification			
Grade	-	-	SN180	I -SN150	I -SN600	S -SN500
Density at 15 °C	Kg/m^3	ASTM D-445	-	0.870	0.890	TBR
Color	-	ASTM D-1500	1	2	2.5	Max 2.5
Kinematic Viscosity at 100°C	cSt	ASTM D-445	5.9	5	12	10.9
Viscosity Index (VI)	-	ASTM D-2270	116	90	90	87-88
Flash Point	°C	ASTM D-92	210	205	250	230-245
NOAK	%wt	ASTM D-1500	12.5	10	6	Max 5
Pour point	°C	ASTM D-97	-6	-6	-6	-3_-4
Sulphur Content	%wt	ASTM D-4294	-	0.5	0.6	1.2



WESTINOL

RE-REFINED BASE OIL

Re-refined base oil (RRBO) is a type of base oil that has been produced by recycling used lubricating oil. This process involves removing contaminants like water, additives, dirt, and other materials from the used oil, restoring its chemical composition and making it suitable for reuse in lubricants and other products. RRBO is valued for its environmental benefits, such as reducing the need for virgin oil production and minimizing waste.



APPLICATIONS:

- Component in the production of new lubricants for various applications, including: automotive, industrial and marine uses
- As feedstock in the petrochemical industry

PACKAGING:

- Drum (208 lit)
- Flexi-Tank

FEATURES & BENEFITS:

- Reduced carbon foot-print
- Lower energy consumption
- Decreased waste generation

STORAGE:

- Storing lubricant preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize lubricant life time. Avoid temperature fluctuations, maintaining storage temperature around 25°C will be of great help to lubricant quality protection. This product is stable in ambient conditions, non-corrosive and can be stored in mild steel containers

HEALTH, SAFETY & ENVIRONMENT:

- This product is stable in ambient conditions and is practically non-irritating to skin and eyes
- Avoid prolonged and repeated skin contact with used oil,
- In case of skin contact, wash with soap and water,
- Avoid environmental pollution. Return used oil to collection centers.

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PRODUCTS

RE-REFINED BASE OIL

Property	Unit	TestMethod	Specification			
Grade	-	-	SN150	SN300	SN500	SN500 Plus
Appearance	-	Visual	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15 °C	Kg/L	ASTM D-1298	0.850-0.860	0.860-0.870	0.873-0.877	0.873-0.877
Color	-	ASTM D-1500	L2.0-L2.5	L2.0-L2.5	L2.5-L3.0	L2.5-L3.0
Kinematic Viscosity at 40°C	cSt	ASTM D-445	28-32	38-42	58-66	70-75
Kinematic Viscosity at 100°C	cSt	ASTM D-445	5-6	6.50-7.50	8.5-9	9.4-10.5
Viscosity Index	-	ASTM D-2270	105-110	105-110	105-107	105-107
Flash Point, COC	°C	ASTM D-92	180-185	215-225	230-235	235-250
Pour Point	°C	ASTM D-97	max -3	max -3	max -3	max -3



WESTINOL

RUBBER PROCESS OIL (RPO)

Rubber process oil (RPO) is a specialized oil used as a plasticizer in rubber formulations to enhance their processing and physical properties. RPOs, also known as extender oils or plasticizers, are hydrocarbon oils derived from various base stocks and are crucial for improving the dispersion of fillers, reducing viscosity, and influencing the characteristics of the final cured rubber. They are broadly classified into aromatic, naphthenic, and paraffinic types, each offering distinct properties and application.



APPLICATIONS:

- Print ink industry
- Rubber manufacturing industry
- Rubber parts manufac

PACKAGING:

- Drum
- Bulk

FEATURES & BENEFITS:

- Excellent filler characteristics
- Improve tensile properties of rubber
- Efficient plasticizing properties
- Improves physical properties of vulcanization to reduce the cost of finished rubber compounds

STORAGE:

- Storing this product preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize its life time

HEALTH, SAFETY & ENVIRONMENT:

- Avoid skin contact with this product
- In case of skin contact, wash with soap and water

RUBBER PROCESS OIL (RPO)

Property	Unit	TestMethod	Specification		
Grade	-	-	S -145	I -DAE 40	P - Heavy
Flash Point	°C	ASTM D-92	Min 240	265 - 300	200 - 230
Pour Point	°C	ASTM D-5950	Max +27	15 - 20	-
Density	°C	ASTM D-4052	1.02	-	1.050
Kinematic Viscosity at 100°C	cSt	ASTM D-7042	40 - 50	40 - 60	Min 35

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WESTINOL

SLACK WAX

Slack wax is a semi-refined, petroleum-based wax that is a byproduct of lubricating oil production. It's a mixture of oil and wax, typically containing 20% to 50% oil, and serves as a feedstock for producing paraffin wax. Slack wax is known for its versatility and is used in various industrial applications.



APPLICATIONS:

- Candle production
- Wax emulsions
- Textile industries
- Insulation and glass wool
- Paraffin wax production

PACKAGING:

- Drum
- Jumbo bag
- IBC
- Plastic tank

FEATURES & BENEFITS:

- Very light color
- High melting point

STORAGE:

- Storing this product preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize lubricant life time

HEALTH, SAFETY & ENVIRONMENT:

- This product is stable in ambient conditions and is practically non-irritating to skin and eyes

SLACK WAX

Property	Unit	TestMethod	Specification						
Grade	-	-	S-H05	S-H08	I-SW10	I-SW40	B-MSW	B-HSW	P-HSW
Kinematic Viscosity at 100°C	mm^2/s (cSt)	ASTM D-445	5.5-7.5	5.5-7.5	5	8	5-7	7-9	10-16
Oil Content	%wt	ASTM D-721	2-5	5-8	15	25	20-30	20-30	6-7.5
Melting Point (Min)	°C	ASTM D-87	-	-	57	65	59-67	60-65	57
Flash Point (Min)	°C	ASTM D-92	240	240	230	265	200	230	200
Color at °C (Max)	°C	ASTM D-1500	3	3	0.5	2.0	1.5-3.5	1.5-3.5	1.5-2
Congealing Point	°C	ASTM D-938	63	61	55	61	-	-	-

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WESTINOL

PARAFFIN WAX

Paraffin wax (or petroleum wax) is a soft colorless solid derived from Slack wax through carefully controlled refining process that consists of a mixture of hydrocarbon molecules containing between 20 and 40 carbon atoms. It is a translucent crystalline material in the solid state and becomes a white clear liquid when molten. High melting point, low oil content and low penetration are among its main features.



APPLICATIONS:

- Water-resistant cloths
- Candles
- Cosmetics
- Coatings
- Matchmaking and insulation material

PACKAGING:

- Carton

FEATURES & BENEFITS:

- Low oil content
- High melting point
- Light color
- Low penetration
- Stable and non-fragile

STORAGE:

- Storing this product preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize lubricant life time.

HEALTH, SAFETY & ENVIRONMENT:

- Avoid skin contact with this product
- In case of skin contact, wash with soap and water

PARAFFIN WAX

Property	Unit	TestMethod	Specification			
Grade	-	-	S- 2%	S- 3-5%	B- M3	B- H5
Oil Content	%wt	ASTM D-721	MaX 2.5	3-5	3	5
Melting Point (Min)	°C	ASTM D-87	60-75	65	61-65	67-69
Flash Point (Min)	°C	ASTM D-92	220	240	-	-
Color	-	ASTM D-1500	0.2	1	28	18
Penetration	0.1mm	ASTM D-1321	40	43	15-19	Max 23

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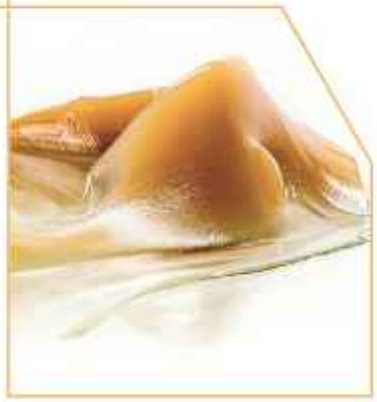
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WESTINOL

CALCIUM GREASE

Calcium-based grease is a type of lubricating grease, generally composed of base oil, a thickener (typically calcium hydroxide and a fatty acid), and various additives. It's known for its good water resistance and is commonly used in applications where water or moisture are present, such as marine environments and automotive applications. It is high quality multi-purpose grease based on high viscosity index mineral oil and a calcium soap thickener.





APPLICATIONS:

- General lubrication under moderate load
- Plain and rolling bearings operating under moderate load, with poor sealing, and/or exposed to external contaminants
- Axle, wheel bearing and universal joint of heavy and light vehicles
- Electric motor bearings under moderate load
- Operating temperature range between -20 to +60°C

FEATURES & BENEFITS:

- High resistance to water wash-out,
- Appropriate anti-wear performance
- Friction reduction
- Usability in different ways
- Good structure stability against successive temperature variations

CALCIUM GREASE

Property	TestMethod	Specification
Drop Point	ASTM D-566	Min 95
Penetration after work (30)	ASTM D-217	220-250
NLGI number	ASTM D-3340	3
Water residence	-	good

PACKAGING:

- Plastic container (0.5 & 1 & 5 kg)
- Plastic container (7 & 35 lb)
- Drum (208 lit)

STORAGE:

- Storing lubricant preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize lubricant life time
- Avoid temperature fluctuations, maintaining storage temperature around 25°C will be of great help to lubricant quality protection
- This product is stable in ambient conditions, non-corrosive and can be stored in mild steel containers.

HEALTH, SAFETY & ENVIRONMENT:

- This product is stable in ambient conditions and is practically non-irritating to skin and eyes
- Avoid prolonged and repeated skin contact with used oil
- In case of skin contact, wash with soap and water

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BITUMEN

Bitumen is a black solid or a viscous liquid derived from crude oil. More than 85% of the world's bitumen production is used for road construction, 10% is used in other constructions and 5% is used in a variety of other industries, including insulation. It is a viscous substance that exists in a liquid to a semi-solid phase. It has a blackish-brown color. It is generally composed of asphaltene resin and other petroleum compounds. Different compositions of bitumen result in different properties.



APPLICATIONS:

- Create asphalt concrete
- Waterproofing
- Roofing
- Various industrial applications

PACKAGING:

- Drum
- Jumbo bag
- Flexi-Tank

FEATURES & BENEFITS:

- High viscosity
- Strong adhesion
- Excellent waterproofing

STORAGE:

- Bitumen requires careful storage to maintain its quality and usability. Proper storage involves using insulated tanks, controlling temperature, and preventing contamination

HEALTH, SAFETY & ENVIRONMENT:

- Inhalation of bitumen fumes can cause irritation to the respiratory system, leading to coughing, shortness of breath, and potentially more serious respiratory problems
- Contact with hot bitumen can cause severe burns. Prolonged or repeated skin contact with bitumen fumes may lead to dermatitis or skin cancer, according to some studies
- Contact with bitumen fumes or hot bitumen can irritate the eyes
- Exposure to bitumen fumes, particularly PAHs, has been linked to long-term health risks, including increased risk of certain cancers and oxidative stress

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PRODUCTS

BITUMEN

Property	Unit	TestMethod	Specification				
Grade	-	-	60-70	80-100	100-120	200-300	AH70
Specific Gravity at 25/25 °C	Kg/m³	ASTM D-70	1.01-1.06	1.01-1.06	1.01-1.04	1.01-1.06	-
Penetration at 25 °C	mm/10	ASTM D-5	60-70	80-100	100-120	200-300	60-80
Softening Point	°C	ASTM D-36	49-56	45-52	42-49	35-43	Min 42
Ductility at 25 °C	cm	ASTM D-113	Min 100	Min 100	Min 100	Min 100	Min 100
Loss on heating	%wt	ASTM D-6	Max 0.2	Max 1	Max .02	-	-
Drop in Penetration After Heating	%	ASTM D-5	Max 20	Max 20	-	-	-
Flash Point	°C	ASTM D-92	Min 250	Min230	Max250	Min230	Min260
Solubility In CS2	Pa.S	ASTM D-4	Min 99.5	99.5	Max 99.5	Min 99	Min 99.5
Spot Test	-	A.A.S.H.T.O.102	Negative	Negative	Negative	-	-

BITUMEN

Property	Unit	TestMethod	Specification		
Grade	-	-	VG10	VG30	VG40
Absolute Viscosity at 60 °C	Poise	ASTM D-4402	Min 800	Min 2400	Min 3200
Kinematic Viscosity at 135°C	cSt	ASTM D-2170	Min 250	Min 350	Min 400
Flash Point	°C	ASTM D-93	Min 220	Min 220	Min 220
Solubility In Trichloroethylene	%wt	ASTM D-2042	Min 99	Min 99	Min 99
Softening Point	°C	ASTM D-36	Min 40	Min 47	Min 25
Penetration at 25 Penetration	0.1 mm	ASTM D-5	80-100	50-70	40-60

WESTINOL

FINISHED PRODUCTS

Finished Lubricant Products are the final, refined oils and greases formulated and ready for use in reducing friction, wear and heat between mechanical parts. They are derived from base oils -either mineral (from crude oil) or synthetic- combined with various additives that enhance their performance characteristics.



At **Westinol**, we use an updated production system and rely on the technical knowledge of our experts to produce all varieties of Finished Lubricant Products in most of the following categories, based on:

-CUSTOMER ORDERS & REQUESTS

In accordance with:

-CUSTOMER SPECIFIC ANALYSIS & ENGINEERING,
-CUSTOMER ORDERED PACKAGING,
-CUSTOMER ORDERED BRANDING,
-CUSTOMER ORDERED LABLING.

Category	Name
1	Gasoline Engine Lubricants
2	Manual Gear Oil
3	Automatic Transmission Fluid
4	Hydrulic Lubricants
5	Anti Freeze
6	Diesel Engine Oil
7	Marine Lubricants
8	Industrial Lubricants

PRODUCTS

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1/Engine Oils for Passenger Cars

- SC - Basic protection
Packaging: 1L, 4L, 20L, 208L
- SE - High-temp oxidation control
Packaging: 4L, 20L
- SF - Better wear protection
Packaging: 1L, 4L, 208L
- SG - Enhanced sludge control
Packaging: 1L,4L, 20L
- SJ - Low volatility, better fuel economy
Packaging: 1L, 4L,20L
- SL - High-temp deposit control
Packaging: 1L, 5L, 208L
- SM - Improved oxidation & wear resistance
Packaging: 1L, 4L, 20L
- SN - Turbo & emission system compatibility
Packaging: 1L, 4L, 208L

2/Manual Gear Oil

- GL-1 - No additives, basic lubrication - Vintage gearboxes
Packaging: 1L, 4L, 20L
- GL-4 - Balanced EP & anti-wear - Manual transmissions
Packaging: 1L, 4L, 208L
- GL-5 - High EP protection - Differentials, hypoid gears
Packaging: 1L,4L, 20L, 208L

3/Automatic Transmission Fluid

- Dexron II - Basic ATF standard
Packaging: 1L, 4L, 20L
- Dexron III - Improved friction & oxidation control
Packaging: 1L,45L, 208L
- Dexron VI - Modern automatic transmissions
Packaging: 1L, 4L, 20L, 208L

4/Hydrulic Lubricants

- ISO VG 22 - Precision tools, CNC machines
Packaging: 20L, 208L
- ISO VG 32 - Light-duty hydraulic systems
Packaging: 20L, 208L
- ISO VG 46 - General industrial use
Packaging: 20L, 208L
- ISO VG 68 - Construction & press machines
Packaging: 20L, 208L
- ISO VG 100 - Steel mills, turbines
Packaging: 208L

5/Anti Freeze

- Mineral - Standard vehicles
Packaging: 1L,4L, 20L
- Synthetic - Long-life protection
Packaging: 1L, 4L, 208L

6/Diesel Engine Oil

- CD - Basic diesel protection
Packaging: 20L, 208L
- CF - Improved soot control
Packaging: 20L
- CG-4 - Turbocharged, low-emission engines
Packaging: 20L, 208L
- CH-4 - EGR system compatibility - Euro II/III engines
Packaging: 20L, 208L
- CI-4 - High-performance diesel - Euro IV engines
Packaging: 20L, 208L
- CJ-4 - Euro V engines
Packaging: 20L, 208L
- CK-4 - Euro VI & modern diesels
Packaging: 20L, 208L

7/Marine Lubricants

- TBN 5 – Basic system oil
Packaging: 20L, 208L
- TBN 10 –For older marine diesel engines
Packaging: 20L, 208L
- TBN 15 – Moderate detergent level
Packaging: 20L, 208L
- TBN 30 – High detergent oil
Packaging: 20L, 208L, bulk
- TBN 40 – Premium marine oil
Packaging: 20L, 208L, 1000L IBC
- TBN 50 – Ultra-high performance
Packaging: 208L, bulk

8/Industrial Lubricants

Hydraulic Oils

- ISO VG 22 – Very light viscosity
Packaging: 20L ,20L , 208L
- ISO VG 32 – Light viscosity
Packaging: 20L, 208L
- ISO VG 46 – Medium viscosity
Packaging: 20L, 20L, 208L
- ISO VG 68 – Heavy viscosity
Packaging: 20L, 208L
- ISO VG 100 – Very heavy
Packaging: 20L, 208L

Gear Oils

- ISO VG 150 – For enclosed gearboxes
Packaging: 20L, 208L
- ISO VG 220 – For heavy-duty gear systems
Packaging: 20L, 208L
- ISO VG 320 – For industrial gearboxes
Packaging: 20L, 208L
- ISO VG 460 – For steel mills, crushers
Packaging: 60L, 208L
- ISO VG 680 – For slow-speed, high
Packaging: 208L, bulk

Compressor Oils

- ISO VG 32 – For rotary screw compressors
Packaging: 20L, 208L
- ISO VG 46 – For piston compressors
Packaging: 20L, 208L
- ISO VG 68 – For high-temp compressors
Packaging: 20L, 208L

Heat Transfer Oils

- ISO VG 32 – For closed-loop systems
Packaging: 20L, 208L
- ISO VG 46 – For thermal oil heaters
Packaging: 20L, 208L

Turbine Oils

- ISO VG 32 – For steam turbines
Packaging: 20L, 208L
- ISO VG 46 – For gas turbines
Packaging: 20L, 208L
- ISO VG 68 – For hydro turbines
Packaging: 20L, 208L

Circulating Oils

- ISO VG 68 – For paper machines, textile
Packaging: 20L, 208L
- ISO VG 100 – For rolling mills
Packaging: 20L, 208L

WESTINOL

MIXED HYDROCARBON OIL (MHO)

Mixed Hydrocarbon Oil is a blended mixture of different hydrocarbon compounds, typically in liquid form, derived from petroleum. It is not a specific substance, but rather a general term used for various blends of hydrocarbons depending on the intended use – such as fuel, solvent or industrial feedstock.



APPLICATIONS:

- Industrial fuel (burned in furnaces or boilers)
- Feedstock for refining or petrochemical processes,
- Solvents in paints, degreasers and cleaning agents
- Intermediate in the production of other chemicals
- Sometimes used in blending with recycle oils

PACKAGING:

- Bulk
- Drum
- IBC
- ISO Tank

FEATURES & BENEFITS:

- Variable composition
- Combustible/Flammable
- Low viscosity (in light grades)
- Chemical versatility
- Wide boiling range
- Cost effective
- Flexible blending
- High energy output
- Effective solvent power
- Customizable composition

STORAGE:

- Use carbon steel or stainless-steel and weatherproof tanks in vertical or horizontal above-ground or underground, with secondary containment. Avoid plastic or reactive metals,
- Store in cool, dry and shaded areas away from direct sunlight and heat sources in well-ventilated to prevent vaporization.

HEALTH, SAFETY & ENVIRONMENT:

- Highly flammable depending on composition
- Health hazard via inhalation, skin contact (may cause irritation or CNS effects)
- Environmental hazard if spilled – harmful to aquatic life

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WESTINOL

PRODUCTS

MIXED HYDROCARBON OIL (MHO)

Property	Unit	Test result	Reference method
O-Flash Point	°C	52	ASTM D97-17
C-Flash Point	°C	44	ASTM D97-17
Color	ASTM	2	ASTM D 1500
Density at 15.5 °C	gr/cm3	825	ASTM D 7042
Pour point	°C	-26	ASTM D 3227-16
Total Sulphur	ppm	3429	ASTM D 7039-15
IBP	°C	144	ASTM D 86-18
5%	°C	175	ASTM D 86-18
10%	°C	190	ASTM D 86-18
20%	°C	205	ASTM D 86-18
30%	°C	220	ASTM D 86-18
40%	°C	230	ASTM D 86-18
50%	°C	247	ASTM D 86-18
60%	°C	258	ASTM D 86-18
70%	°C	270	ASTM D 86-18
80%	°C	285	ASTM D 86-18
90%	°C	332	ASTM D 86-18
95%	°C	357	ASTM D 86-18
FBP	°C	365	ASTM D 86-18
Recovery	%	98	-
Residue	%	2	-
Loss	%	0	-

RESIDUE WAX

WESTINOL

Residue wax is a type of wax obtained as a byproduct from the refining and processing of crude oil, particularly from the heavier fractions or residues left after distillation. It derived from the heavy residue or slack wax produced during the dewaxing of lubricating oil stocks in petroleum refining. It is often recovered from the bottom fractions of distillation or solvent dewaxing processes. Residue wax contains varying amounts of oils, resins and other impurities depending on the degree of refining and generally has a higher molecular weight compared to other petroleum fractions.



APPLICATIONS:

- Candle making
- Polishes & Coatings
- Rubber & Tire Industry
- Adhesives & Sealants
- Paper Industry
- Cosmetics & Pharmaceuticals
- Lubricants & Electrical Applications
- Packaging

PACKAGING:

- Drum
- IBC
- Bulk

FEATURES & BENEFITS:

- Long-Chain Hydrocarbons
- Solis at Room Temperature
- Variable Color, High Oil Percentage, Low Volatility, Hydrophobic Nature & Thermal Stability
- Cost-Effective
- Versatile Usage
- Improves Product Durability
- Good Hardness & Gloss
- Eco-Friendly Alternative

STORAGE:

- Storing this product preferably indoor and if not possible, outdoor under cover away from direct sun light and rain and snow falls will maximize lubricant life time.

HEALTH, SAFETY & ENVIRONMENT:

- This product is stable in ambient conditions and is practically non-irritating to skin and eyes.

RESIDUE WAX

Property	Unit	TestMethod	Specification		
Grade	-	-	S	I	R
Kinematic Viscosity at 100°C	mm2/s(cSt)	ASTM D-445	5.5-7.5	3.98	18.5
Density at 15.6 °C	Kg/m3	ASTM D-4052	830-870	0.839	0.843
Flash Point	°C	ASTM D-92	Min 220	212	210
Congealing Point	°C	ASTM D-938	25-50	44	50
Oil Content	%wt	ASTM D-721	25-50	42.9	30-50
Refractive Index at 70 °C	°C	ASTM D-1218	-	1.4462	-
Color	-	ASTM D-1500	Max 5	L 1.5	1.5

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LIQUID PARAFFIN

WESTINOL

Liquid Paraffin is a highly refined, colorless to pale yellow petroleum derived liquid composed mainly of saturated hydrocarbons. It is chemically stable, non corrosive, hydrophobic, and suitable for a wide range of industrial applications.



APPLICATIONS:

- Lubricants
- Hydraulic fluids
- Heat transfer fluids
- Electrical insulation
- Metalworking
- Cosmetics & pharmaceuticals
- Release agents
- Rust prevention
- Printing inks & paints

PACKAGING:

- Drum
- IBC
- Bulk

STORAGE:

- Store in tightly closed containers
- Keep in cool and dry area
- Protect from ignition sources
- Avoid contamination
- Suitable for storage in mild steel tanks

FEATURES & BENEFITS:

- High chemical stability
- Low volatility
- Good dielectric properties
- Thermally stable
- Enhances machinery life
- Protects against corrosion
- Improves operational efficiency
- Environmentally stable

HEALTH, SAFETY & ENVIRONMENT:

- Prolonged contact may cause mild skin irritation
- Avoid inhalation of mist or heated vapors
- Use protective equipment
- Ensure proper ventilation
- Dispose of waste according to environmental regulations

LIQUID PARAFFIN

Property	Unit	Test\Method	Value
Kinematic Viscosity at 40°C	cSt	ASTM D-445	16.96 - 21
Kinematic Viscosity at 100°C	cSt	ASTM D-445	3.9 - 4.8
Viscosity Index	-	ASTM D-2270	115 - 120
Sulfur Content	-	ASTM D-4294	0.02%
Distrillition (IBP - FBP)	-	ASTM D-1160	280 - 510
Specific Gravity	Kg/m3	ASTM D-1298	0.843
Flash Point	°C	ASTM D-92	195 - 205
Pour Point	°C	ASTM D-97	-3 - +3
Color	-	ASTM D-1500	0.5 - 2
Unsulfunated Residue (UR)	-	ASTM D-483	92 - 98

PRODUCTS

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WHITE OIL

WESTINOL

White Oil is a highly refined mineral oil produced through advanced hydro processing and purification technologies. It consists predominantly of saturated hydrocarbons and exhibits exceptional purity, water white clarity, and excellent chemical stability.

The product is odorless, colorless, and chemically inert, making it suitable for applications where high purity and stability are essential. White Oil provides excellent lubrication performance, low volatility, and good oxidation resistance across a wide range of industrial and formulation applications.

Due to its neutral chemical characteristics and consistent viscosity behavior, White Oil is widely used in pharmaceutical, cosmetic, polymer processing, textile, and industrial manufacturing processes.



APPLICATIONS:

- Pharmaceutical formulations
- Cosmetics and personal care products
- Plastic and polymer processing
- Textile lubrication and fiber processing
- Food machinery lubrication (subject to regulatory compliance)
- Agricultural spray oils
- Release agents
- General industrial lubrication

PACKAGING:

- Drum (208 Lit)
- IBC
- Flexi Tank
- Bulk supply

STORAGE:

- Store in tightly closed containers in a clean and dry environment
- Protect from direct sunlight and contamination
- Maintain stable storage temperature
- Store in mild steel or compatible storage tanks

FEATURES & BENEFITS:

- Water white appearance
- Odorless and tasteless characteristics
- High purity mineral oil
- Excellent oxidation stability
- Low aromatic content
- Chemically inert and non corrosive
- High flash point
- Stable viscosity performance
- Suitable for sensitive industrial applications

HEALTH, SAFETY & ENVIRONMENT:

- White Oil is generally stable and safe when handled according to standard industrial procedures
- Avoid inhalation of oil mist at elevated temperatures
- Use proper protective equipment during handling
- Prevent environmental contamination and dispose of waste responsibly
- Refer to the product MSDS for detailed safety information

WHITE OIL

Property	Unit	TestMethod	Value
Kinematic Viscosity at 40°C	cSt	ASTM D-445	17-21
Kinematic Viscosity at 100°C	cSt	ASTM D-445	3.9-4.8
Viscosity Index	-	ASTM D-2270	117-120
Specific Gravity	Kg/m3	ASTM D-1298	0.843
Flash Point	°C	ASTM D-92	195-205
Pour Point	°C	ASTM D-97	+3 To -3
Color	-	ASTM D-156	+30
Acidity or Alkalinity	-	BP 2022	Pass
Readily Carbonisable Substances	-	BP 2022	Pass
Polycylic Aromatic Hydrocarbon	-	BP 2023	Pass
TAN	mg KOH/g	ISO 6619	Pass
TBN	mg KOH/g	ISO 3771	Pass

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PETROLEUM JELLY

WESTINOL



Petroleum Jelly is a highly refined semi solid petroleum derivative composed primarily of saturated hydrocarbons. The product is produced through advanced refining processes to ensure high purity, stability, and consistent physical properties suitable for cosmetic, pharmaceutical, and industrial applications.

Due to its smooth texture, hydrophobic nature, and excellent protective characteristics, petroleum jelly forms an effective barrier against moisture and environmental contaminants. It is widely used as a base material in personal care formulations, protective coatings, pharmaceutical ointments, and various industrial processes.

Petroleum Jelly offers reliable melting behavior, good lubricating properties, and high thermal stability, making it suitable for a broad range of applications where chemical neutrality and protective performance are required.

APPLICATIONS:

- Cosmetic creams and lotions
- Pharmaceutical ointments and topical formulations
- Personal care products
- Protective coatings and moisture barriers
- Cable filling compounds
- Rust protection
- Industrial lubrication and sealing applications

PACKAGING:

- Drum
- Carton box with inner liner
- Bulk supply upon request

STORAGE:

- Store in tightly sealed containers
- Keep in a cool and dry area away from direct sunlight
- Avoid contamination from dust or moisture
- Maintain stable storage temperature to preserve product quality

FEATURES & BENEFITS:

- High purity refined petroleum base
- Smooth and homogeneous texture
- Excellent moisture barrier properties
- Good lubricating performance
- High flash point for safe handling
- Low aromatic content
- Chemically inert and stable
- Reliable consistency and melting behavior

HEALTH, SAFETY & ENVIRONMENT:

- This product is stable under normal ambient conditions and is generally non irritating to skin when handled properly
- Avoid prolonged or repeated skin contact
- Use appropriate personal protective equipment when handling industrial quantities
- Wash exposed skin with soap and water after contact
- Dispose of waste materials according to local environmental regulations

PETROLEUM JELLY

Property	Unit	TestMethod	Value
Drop Point	°C	BP 2015	52 °C
Sulphated Ash	%	BP 2020	Less Than 0.05%
Flash Point	°C	ASTM D-92	≥ 200
Color	-	IP-17	0.3-1
Polycyclic Aromatic	-	BP 2020	≤ 6 mg/L in Dmsoat 278nm
Penetration Consistency	-	ASTM D-937	120-160 (0.1 mm)
Kinematic Viscosity at 100 °C	cSt	ASTM D-445	5-8 CSt
Specific gravity at 60 °C	°C	ASTM D-1298	0.78-0.89
Drop Mleting Point	°C	ASTM D-127	50-58 °C
Congealing Point °C	°C	ASTM D-938	50-60 °C

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WESTINOL

IS A LEADING MANUFACTURING & TRADING COMPANY IN THE PRODUCTION OF: BASE OILS & LUBRICANTS AND TRADING OF: PETROLEUM & PETROCHEMICAL PRODUCTS.



WESTINOL
ENERGY
BLEND OIL TRADING L.L.C

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WESTINOL ENERGY BLEND OIL TRADING L . L . C

is a leading enterprise specialized in the manufacturing of Base oils & lubricants by utilizing its various production units and trading of petroleum & petrochemical products.
With advanced R&D facilities in UAE, we offer high quality products as follows tailored to meet global market demands.
We are delighted to have this opportunity to set out our services we offer in the hope that some interest to your valuable company. Our activity has brought us into contact with a wide range of petroleum & petrochemical producers all over the world in order to provide comprehensive range of services and products in this field with different grades.
Committed to excellence, innovation and customer satisfaction, Westinol welcomes inquiries and orders from buyers & sellers worldwide.

WHAT WE PRODUCE:

- Re-Refined Base Oils
- Finished Products
- Mixed Hydrocarbin Oil (MHO)
- Industrial Liquied Paraffin (White Oil)

WHAT WE SUPPLY:

- ***PETROLEUM PRODUCTS:***
Base Oils – Group 1, Engine Oils, Lubricant Additives, RPO, Slack Wax, Paraffin Wax, Grease, Bitumen, White Spirit, Carbon Black, ...

- ***PETROCHEMICAL PRODUCTS:***
Naphtha, MEG, DEG, SBR, PBR, ...

OUR SERVICES:

- Customer ordered production (Based on specific & customized analysis)
- Customer ordered packaging
- Customer ordered branding
- Customer ordered labeling

DELIVERY OPTIONS, TAILORED SUPPORT & GLOBAL SOURCING:

- Delivery according to the latest INCOTERMS version from UAE & Jebel Ali port and other regional partners, seamless logistics guaranteed
- Fast inquiry response, custom quotations and technical support for importers & bulk buyers
- Global access to trusted verified quality assurance manufacturers.

Visit Us

