

SS PETROCHEMICALS

Is a Jammu (Jammu & Kashmir) based business enterprise that has marked foray in the domain of oil and bitumen trading. We are known as a reliable supplier (wholesale trader) of superior quality synthetic bitumen, rubber processing oil, and base oil. The products that we supply are extremely reliable due to their fine composition and use of high-grade raw materials that are used in the production procedures. All the products that we offer are tested as per strict industry norms for assured reliability. The products that we supply are widely used in many industries like automotive, construction, and others. We are providing these products in varied specifications to cater to the diverse requirements of the buyers.



➤ SYNTHETIC BITUMEN

- Paving Grade Bitumen
- Penetration Grade Bitumen
- Viscosity Grade Bitumen
- Bitumen Emulsion

➤ RUBBER PROCESSING OIL

➤ BASE OIL



SS Petrochemicals is a Jammu (Jammu & Kashmir) based business enterprise that has marked foray in the domain of oil and bitumen trading. We are known as a reliable supplier (wholesale trader) of superior quality synthetic bitumen, rubber processing oil, and SN 150 base oil. The products that we supply are extremely reliable due to their fine composition and use of high-grade raw materials that are used in the production procedures. All the products that we offer are tested as per strict industry norms for assured reliability. The products that we supply are widely used in many industries like automotive, construction, and others. We are providing these products in varied specifications to cater to the diverse requirements of the buyers. Customers can place their orders and rest assured for timely delivery.

SS Petrochemicals was established in the year 2020 with a vision to serve the finest bitumen and oil in the domestic market. Our products are highly sought after for the exclusivity, fine packaging, fine quality, effective performance, and affordability. Mr. Antriksh Jamwal is the Founder of the organization, who guides the management to work for customers' complete satisfaction.

QUALITY ASSURANCE

We ensure optimum quality products dispatched by us under all circumstances. The manufacturers, we procure products from, use only the finest quality raw materials in the production process, and we also have an outstanding testing facility to ascertain only the finest product reach the buyers.

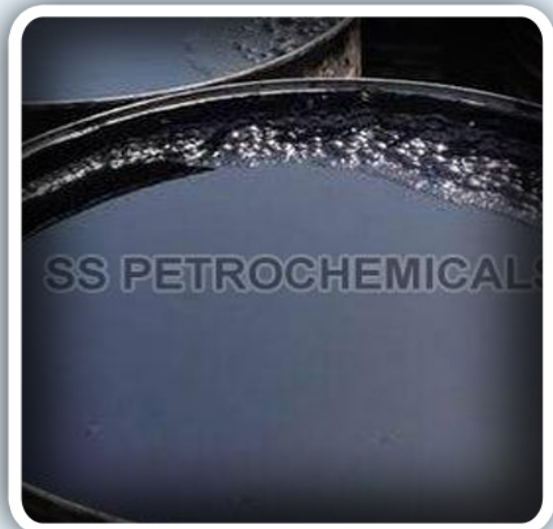
NAME OF CEO	::	Mr. Antriksh Jamwal
YEAR OF ESTABLISHMENT	::	2020
NATURE OF BUSINESS	::	Wholesale Trader
NUMBER OF EMPLOYEES	::	Upto 10 People
GST NO.	::	01A0LPJ6580M2ZL
LEGAL STATUS OF FIRM	::	Individual - Proprietor

SYNTHETIC BITUMEN

PAVING GRADE BITUMEN

Specifications

Source	➤ Synthetic
Packaging Type	➤ Drum
Usage/Application	➤ Road Construction
Grade Standard	➤ 80/100
Packaging Size	➤ 180 Kg
Softening Point	➤ 42-50 Degree Celsius
Flash Point	➤ 250 Degree Celsius



Additional Information

Min. Order Quantity ➤ 500 Metric Ton

Price : **INR 24,000.00** / Metric Ton

PAVING GRADE BITUMEN



Penetration bitumen is semi hard black material known as petroleum grade bitumen which is produced by blowing hot air into the vacuum bottom.

Bitumen penetration grade is suitable for road surfacing, production of asphalt pavements, and hot mix asphalt. Low penetration grade bitumen is used in warm areas while high penetration grade is used in cold areas.

We have the capability to supply customers a wide range of Bitumen penetration grades such as 60/70, 80/100, 85/100, 40/50, 30/40.

VISCOSITY GRADE BITUMEN

Additional Information

Min. Order Quantity ➡ **500 Metric Ton**

Viscosity Grade Bitumen (Asphalt) is a Bitumen grade mostly used as a Paving Grade and it's suitable for road construction and for the asphalt pavements producing with premier attributes. VG Bitumen is usually used in the production of hot mix asphalt.



Viscosity Grade Bitumen is petroleum grade bitumen, which produced from fractional vacuum bottom which comes from the distillation of crude oil, which feasible appliance and behavior changes according to its temperature.

Viscosity Grade bitumen is specified by ASTM Standard D3381-09 and AASHTO M226-80 (2008). VG Bitumen specifications cover by Viscosity at 60°C (140 °F).

We have two methods of grading:

- ➡ Standard Viscosity Grade Bitumen (AC-Grades), in which the Viscosity of the standard bitumen (asphalt) is measured at 60 °C (140 °F).
- ➡ RTFOT Viscosity Grade Bitumen (AR-Grades), in which the Viscosity of bitumen (asphalt) is measured at 60 °C (140 °F) after the roll on thin-film oven test.

Viscosity grade bitumen has a thermoplastic feature which causes the material to soften at high temperatures and to harden at lower temperatures. This temperature viscosity relevance is significant when specifying the performance parameters such as the adhesion, rheology, durability and application temperatures of bitumen. In the Viscosity Grade Bitumen specifications, the most important emphasizes is based on the Bitumen ductility.

Viscosity Grade Bitumen Uses

VG-10 Bitumen

VG-10 is mostly used in spraying applications such as surface dressing and Paving in a very cold climate instead of 80/100 penetration bitumen grade. It is also used to produce Bitumen Emulsion and Modified Bitumen products.

VG-20 Bitumen

VG-20 is used for paving in cold climate & high altitude regions.

VG-30 Bitumen

VG-30 is especially used to construct extra heavy duty Bitumen pavements that need to tolerate significant traffic loads. It can be used instead of a 60/70 penetration bitumen grade.

VG-40 Bitumen

VG-40 is used in highly stressed areas such as intersections, near toll booths, and truck parking lots instead of 30/40 penetration grade. Because of higher viscosity, stiffer Bitumen mixes can be produced to amend resistance to shoving and other problems related to a higher temperatures and heavy traffic loads.

We have the capability to supply customers a wide range of Bitumen viscosity grades such as VG 10, VG 20, VG 30, VG 40.

BITUMEN EMULSION

Bitumen Emulsion is one of the main ingredients used in road construction and maintenance. It is a two-phase system consisting of bitumen, water and one or more additives (Emulsifiers). Bitumen is dispersed throughout the water phase in the form of discrete globules typically in the range of 0.1 to 10 micron in size, which are held in suspension in water and prevented from flocculating and settling by emulsifier charges. The emulsifier plays an important role to keep the bitumen droplets in a stable suspension, control breaking time and aids adhesion also.



Bitumen Emulsion typically contains 50-75% bitumen, 0.1-2% emulsifying agent and rest water. These components are introduced into a colloid mill that operates at a very high speed motor (1000-6000rpm) which shears bitumen emulsion into tiny globules. Variable Rotor Stator Gap in Colloid mill controls bitumen material. The size of globules that in turn controls the viscosity of bitumen emulsion. We are quality Bitumen Emulsion manufacturers and exporter in all over India.

Bitumen Emulsion Classification

Bitumen Emulsion are classified on the basis of Electrical charge. Emulsifier envelops itself on the bitumen droplet and provides electrical charge on surface of bitumen globules preventing them to coalesce.

Anionic

It is the first category of emulsion that was engineered for road construction. Due to their negative globules, they are less efficient than other two i.e. Cationic or Non-ionic. Suitable for Calcareous aggregate like lime stone, dolomite etc.

Non-ionic

Rarely used in road construction.

Cationic

Due to their positive charge, the emulsion coats the aggregate efficiently and flaunts effective adhesion attributes. Cationic Emulsion also works as an anti-stripping agent so highly favorable in construction industry and hence is most widely used. Such emulsions are most suitable for siliceous aggregate like quartzite, sand stone, granite, etc.

How Quickly the Emulsion Reverts to Bitumen?

On the basis of how quickly the emulsion reverts to bitumen, cationic bitumen emulsions are divided into Rapid setting, Medium setting and Slow setting emulsion. Further classified as per IS: 8887-2004 into RS-1, RS-2, MS, SS-1 and SS-2.

Rapid Setting-1(RS-1)

Used for Tack Coat Applications

Rapid Setting-2(RS-2)

Used for Surface dressing

Medium Setting (MS)

Used for Open graded premix for coarse

Slow Setting (SS-1)

Used for Prime coat application or for sealing cracks and fog seal

Slow Setting (SS-2)

Used for slurry seal, seal coat (premix with large fine aggregate content)

RUBBER PROCESSING

Specifications

Packaging Type	↞	Barrel
Density	↞	0.970 g/cm ³
Refractive Index	↞	1.53 -1.56 at 20 Degree
Packaging Size	↞	20 Kg
Color	↞	Pale Yellow
Aniline Point	↞	39.3-52 Deg C
Pour Point	↞	37 Deg C

Additional Information

Min. Order Quantity ↞ 500000 Litre

Rubber process oil, both synthetic and natural is commercially used to produce products from rubber bands to a toy to the giant tires for various vehicles including aircraft. Rubber Process Oils are used during the mixing of rubber compounds.

Rubber process oil is an oil composition which has a kinematic viscosity at 100 °C of from 32 to 50 CST and which contains less than 3%. Polynuclear aromatic compounds are employed as a process oil for rubber compounds, especially aromatic rubbers.

The process oil is compatible with aromatic rubbers but contains less toxic polynuclear aromatic compounds than conventional aromatic RPO. Rubber products of acceptable quality are produced by the use of the said oil composition.

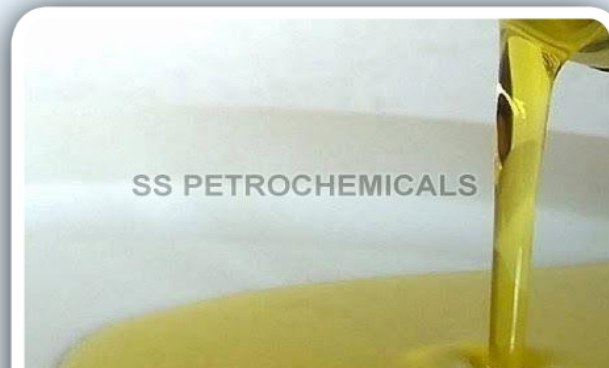
Uses of rubber process oil

As component in rubber formulations and manufacturing of products such as automobile tires, rubber shock absorbers, footwear, industrial hoses, wire, and cable coverings, flooring materials and carrier fluid or solvent in the manufacture of adhesives, sealants, polishes and carbon black

- ↞ Automobile Tires
- ↞ Rubber shock absorbers
- ↞ Footwear
- ↞ Industrial Hoses
- ↞ Wire and cable coverings,
- ↞ Flooring materials and carrier fluid
- ↞ The solvent in the manufacture of adhesives
- ↞ Sealants
- ↞ Polishes and carbon black
- ↞ There are three different types of rubber process oils

Aromatic oils

- ↞ The primary Characteristics of aromatic Hydrocarbons are the presence of the double bonded mix ring carbon structure. Aromatic extender oil well-known according to its viscosity which meets ASTM D-445 and Kinematic viscosity of transparent and opaque liquids it has different grades famous as high(heavy), medium, low (light) viscosity, TDAE, MES, and DAE.
- ↞ Aromatic furfural extract rubber process oil (RPO) procured from selected refineries and suitably blended to meet stringent specifications, are used for compounding batches to manufacture tires, lactic, automotive tires and tubes, bicycle tires, tire re-treading materials, belting, hoses, battery casings and containers, extruded products, technical molded goods and rubber articles with reclaim rubber due to high solvency, calendared and molded sheets, Tread rubber TDAE oil. Also process oil (furfural extract) has color stability, solubility, and good thermal stability.



Price : INR 80.00 / Litre

BASE OIL

Additional Information

Min. Order Quantity ➡ 50000 Bottle(s)

Base oils are refined base stocks recommended for use in the manufacture of automotive & industrial lubricants, oil & greases, rubber products, white & paraffin oil, and so on. Base oils are refined from crudes with characteristics making them the most desirable for our customers. Base oils are more polar in nature than Paraffinic oils and hence they have good cooling properties and excellent low-temperature properties. They also have better solubility and ability to form stable emulsions. This oil has no impurities or compounds that can have an adverse effect on the quality of the oil. SS Petrochemicals OIL offers base oils in various viscosity ranges including SN 150, SN 350, SN 500, and SN650.



Price : INR 100.00 / Litre

Solvent Neutral Mineral base oils are prepared from crude oil derivatives according to the following processes.

Distillation, to adjust the viscosity and flash point

- ➡ Refining, to improve viscosity-temperature characteristics e.g. viscosity index (solvent extraction with furfural); Dewaxing, to improve the low-temperature properties (M.E.K dewaxing), Hydrofinishing, to remove undesirable impurities from petroleum distillates (such as sulfur and nitrogen compounds and olefins).
- ➡ Base Stocks, obtained after the above-listed operations are called Solvent Neutral Base Oil (SN) which are distinguished with numbers according to their approximate SUS viscosity at 40°c such as SN 90, SN150, SN350, SN500, etc.
- ➡ In the SS Petrochemicals Oil's modernized refinery plant, we use Lube-cut obtained from domestic petroleum oil refineries, to produce virgin mineral base oil
- ➡ Group I. High-quality low oil paraffin waxes are also produced by the "sweating process" which is in compliance with environmental health care.
- ➡ SS Petrochemicals OIL SN is highly refined paraffinic oils that are processed to meet high saturation and low sulfur concentration. These products have good solubility characteristics for additives in product formulations.

Different types of base oil

- ➡ Paraffinic Base Oils
- ➡ Naphthenic Base Oils
- ➡ Synthetic Base Oils

Paraffinic Base Oils (Often referred to as Group I or II): Base Stocks produced using solvent refined & advanced hydrocracking processes. Some of the further developed oils also involve a catalytic de-waxing process to produce a more pure product. The aromatic content of these oils varies by the refining process used. SS Petrochemicals Oil supplies a variety of highly refined oils that are ideal for a variety of process applications.

Naphthenic Base Oils: Refined from sweet crude oil distillates. Naphthenic base oils have a very low aromatic content and low paraffin (Wax) content. These characteristics allow for a low pour point on lighter viscosities and a high degree of solvency where heavier viscosities are required.

Synthetic Base Oils (Often referred to as Group III, IV & V): Base Stocks that involve a chemically modified base which can be of a petroleum or chemical origin. Group III - Base Oils that have been converted by means of a catalytic process in the presence of Hydrogen, usually under greater pressures. These resulting Base Oils are very pure and refined with superior performance to Group I and II Base Stocks. PAO (Polyalphaolefin) (Group IV) - *for more information, please see our "PAO" page. Synthetic Esters (Group V) - Derived from diesters, polyesters, alkylated naphthalene, alkylated benzenes, etc.) Bio-Based Oils (Group V / unclassified) - Derived from renewable resources that are readily biodegradable. Some of these renewable sources include Sugar, Algae Succinct Acid.

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