



KP Series High Quality Paraffinic Rubber Oils

KP series high quality paraffinic rubber oils are manufactured by blending fraction rich in alkane with fraction of moderate naphthenic hydrocarbon content. The naphthenic fraction is made from low freezing point naphthenic crude distillate from Xinjiang Oilfield by advanced High Pressure Hydrotreating technology (hydrotreating, hydrogenation pour point depression and hydrofinishing). The oils have properties such as excellent appearance and color, high alkane content, moderate naphthenic content, low volatile loss, extremely low aromatic content, high thermal resistance and anti-ultraviolet stability. With environmental friendly property, they are non-polluting high quality paraffinic rubber oils. They have won widespread recognition in the market of high grade environment protective rubber tires. The quality of the oils has reached and even surpassed the quality of the same type of world famous brand rubber oils. The oils are divided into 3 grades according to their kinematic viscosity at 100°C, namely, KP6005, KP6025 and KP6030.

[Application]

KP series high quality paraffinic rubber oils are a new type of paraffinic rubber oils developed upon the requirements of manufacturing non-polluting tires. They are not only the preferential choice for manufacturing environment protective tires, but also widely used in production of HR, EPM, EPDM, IR, NR and some thermoplastic rubbers. It is especially recommended to use them in processing of rubber products with requirements of little odor, light color, high thermal resistance and sunlight stability .

[Performance]

- ⌘ Excellent appearance: the products are water-white, clear and transparent, non-fluorescent and odorless.
- ⌘ High content of saturated hydrocarbon: the Cp value is over 60%, and they have good compatibility with saturated rubbers.
- ⌘ Excellent performance at low temperature: With moderate viscosity and low pour point, they could greatly improve the physical properties and low temperature resistance of oil extended rubbers and could be easily stored or transported even in cold winter.
- ⌘ Excellent light and thermal stability: With a high content of saturated hydrocarbon and stable molecule structure, they have high anti-oxidization and anti-discoloration stability.
- ⌘ Extremely low contents of polar materials: With extremely low contents of polar heterocyclic compounds such as nitrogen, sulfur and oxygen, they are able to effectively avoid the discoloration and aging of oil extended rubber products and polymer cracking under the sunlight caused by these substances.
- ⌘ Low content of aromatics: They can reduce the consumption of sulfurizing agent so as to lower the cost, and improve the oxidative degradation resistance of the rubbers, helping to extend the service life of the rubber.