



Kismat Petroleum Trading Pte Ltd

SIKPIBS10

Overview

SIKPIBS10 is the trade name of KISMAT's polyisobutylene product with molecular weight ranging from 900 to 1000 all our Products are transparent, free of particles, and is a leading choice for a wide range of applications.



Technical Specifications

<u>Parameters</u>	<u>Test Method</u>	<u>Specifications</u>
Molecular Weight -Number Average	GPC	950 ±50
Viscosity @ 100°C, cSt	ASTM D-445	230 ± 30
Flash Point (COC), °C, min.	ASTM D-92	190
Colour - APHA (Max)	ASTM D-1209	50

Applications

Lubricants

Polyisobutylene is widely used in lubricant for modifying / improving the viscosity of the lubricant.

Adhesives & Sealants

PIB addition in Pressure-sensitive adhesives (PSAs) and hot-melt adhesives (HMAs) helps to increase Bond strength. Polybutene addition attributes to modification of properties like

- ✚ Tack, Softness, Bond strength, Cohesive strength and Water resistance of adhesives

KISMAT polybutene is often used in polymer modification processes. Polymer modified with polyisobutylenes can have

- ✚ Higher melt flow rates
- ✚ Greater elongation and
- ✚ Improved impact strengths.

Rubber modification

For a wide variety of vulcanized elastomers like natural rubber, butyl rubber, polyisoprene and SBR. Polyisobutylenes are used as extenders and plasticizers. These compounds show

- ✚ Excellent tensile strength
- ✚ Elongation

Construction Chemicals

Polyisobutylenes can be used to modify the binding agents in asphalts used in tunnel construction Usage of polybutylenes gives water resistant property in water proofing membrane.

Explosive

Polyisobutylene Succinic Anhydride is emulsion in nature and it finds its application in the manufacturing of cartridge explosives of emulsifier type.