POLESTAR
نجم القطب
Polestar Worldwide General Trading LLC

High Sulphur Fuel Oil (HSFO)

High Sulphur Fuel Oil (HSFO) is a type of heavy fuel oil that contains a significant amount of sulphur, typically exceeding 1% by weight. It is primarily used in maritime shipping and power generation. Due to its high energy content and lower cost relative to low-sulphur alternatives, HSFO has been a preferred choice for many industries. However, with increasing regulations aimed at reducing pollution and improving air quality, its use has faced scrutiny, leading to a shift toward cleaner fuel options.

Applications

HSFO is mainly used in large marine vessels as a fuel source for propulsion and power generation. It serves as a reliable energy source for ships navigating international waters, where lower costs can aid operational efficiencies. In addition to maritime applications, HSFO is also used in industrial boilers and furnaces that require substantial heat generation. Certain power plants, especially those designed to handle heavy fuel oils, utilize HSFO to meet energy demands.

Test	Method	Unit	Typical
Density @ 15°C (Vac)	ASTMD-1298	kg/m3	Max 991.0
Kinematic Viscosity @ 50°C	ASTM D-445	cST	Max 380
Flash Point	ASTMD-93	°C	Min 60
Pour Point	ASTMD-97	°C	Max30
Water Content	ASTM D-95	% Vol	Max 0.50
Total Sulfur	ASTMD-4294	Wt %	Max 4.5
Ash Content	ASTM D-482	Wt %	Max 0.15
Conradson Carbon Residue	ASTM D-189	Wt %	Max 18
Sediment by extraction	ASTM D-473	Wt %	Max 0.1
Total Sediment Potential	ASTM D-4870	m/m %	Max 0.1
Metals			
Zinc	IP-470	ppm wt	Max 15
Nickel			--
Sodium			--
Calcium			Max 30
Aluminum			Max 80
Silicon			Max 15
Vanadium			Max 80

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Benefits

1. Cost-Effective
2. High Energy Density
3. Widespread Availability
4. Compatibility

Packaging

HSFO is typically packaged in several ways to facilitate transportation and storage. Standard packaging options include:

1. Flex Tanks
2. Iso-Tanks
3. Steel Drums
4. Bulk Vessel Load

Each packaging method is chosen based on the logistical requirements and safety considerations involved in transporting and storing high-sulphur fuel oil. High Sulphur Fuel Oil (HSFO)

Storage

Keep the container closed. Handle containers with care. Open slowly to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers, and associated equipment should be earthed and connected to prevent the accumulation of static charge.

COMMENTS

The specifications, as mentioned above, may vary depending on the origin and batch. For updated specifications related to your order, please don't hesitate to contact a sales representative at Polestar Worldwide General Trading LLC.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet (“SDS”) contains essential environmental, health, and safety information concerning its handling and storage. The most current version of the SDS for this product can be obtained by contacting a representative of Polestar Worldwide General Trading LLC.

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