

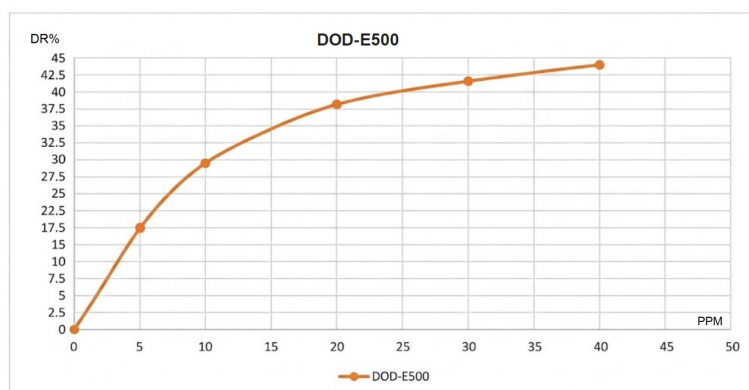
DOD-E500

Drag Reducing Agent

Technical Data & Performance Curve

Test items	Executive standard	Technical parameters of products
Form	Visual measurement	White liquid
Colour	Visual measurement	White
Smell	—————	A slight hydrocarbon odor.
Solubility	—————	Insoluble in water, soluble in hydrocarbon solvents and oils
Sampling	Gb/t 6680	300 ml test; 300 ml sample preparation
Density	Gb/t 4472	0.87-0.99g/cm ³
Flash point (closed) °C	Atsm d7094	>62
pH value	pH test paper	6-8
Kinematic viscosity (20°C, mpa.s, 20s ⁻¹)	Sy/t 0520	<500
Polymer content (%)	—————	20-40
Rate of increase	Sy/t 6578	>25
Pour point (°C)	Gb/t 3535 2006	≤-40

**Note: The above data only represent the parameters of DOD-E500 crude oil & petroleum oil drag reducer. The technical parameters of different types of drag reducing agent will be slightly different.*



This performance curve demonstrates the range in which DOD-E500 can operate, actual effect depends on pipeline and fluid conditions.

Product Description

The main components of the product are poly-alpha olefin polymer powder and mixed alcohol ether suspension. Easy to store and use.

Drag-reducing agent is used in long-distance pipeline, suitable for crude oil pipeline, polymer produced by common process, suitable for pipeline with more injection of drag-reducing agent to obtain higher effect of increasing transmission/reducing drag, better environment for preservation, more suitable for pipeline with large temperature difference between day and night, and generally higher temperature (drag-reducing agent). Storage temperature does not exceed 60°C. Usually the injection concentration is more than 15 ppm. By adding a small amount of drag reducing agent (ppm level) to the pipeline, the physical effect can be eliminated, the turbulence of high-speed fluid can be eliminated, and the drag of delay can be reduced. Finally, the purpose of increasing pipeline transportation capacity and reducing pipeline operation pressure can be achieved. The performance of drag reducing agent is greatly affected by the pipeline working conditions. The increase rate of drag reducing agent tested by the manufacturer only represents the data of the drag reducing agent on the manufacturer's experimental pipeline. The actual value should be based on the local test data.

Application Method

The product can be used in most long-distance pipelines. Users need to provide specific pipelines parameters to manufacturer for simple calculation.

Drag reducing agent is injected into the pipeline quantitatively through plunger pump, the injection point should on the back end of oil pump and as close as possible to the outbound side. For multi-pipelines, the injection point should be selected at the back of the pipelines junction point. This can promote the drag reducer's better performance .

Packing

This product is packed in IBC plastic tank container, 1000L/barrel. Compliance with transport specifications.

Storage And Handling

Please keep this product away from light. Best storage conditions: temperature between -30°C to 30°C, storage environment should be dark. Ultimate storage temperature between -40°C~60°C. The nearer to the ultimate storage temperature or exceed this temperature value, the higher risk to destroy the physical form of drag reducer and cause difficulty in use.