

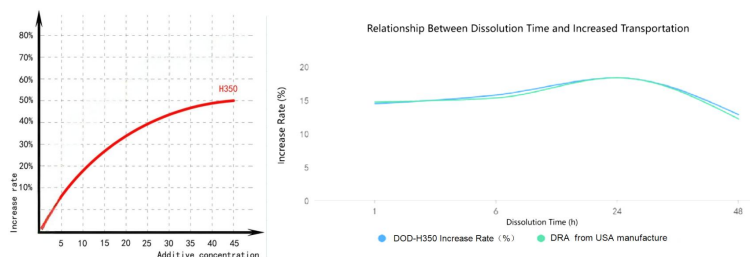
DOD-H350

Drag Reducing Agent

Technical Data & Performance Curve

Test items	Executive standard	Technical parameters of products
Form	Visual inspection	White liquid
Colour	Visual inspection	White
Smell	—————	Odorless
Solubility	—————	Insoluble in water, soluble in hydrocarbon solvents and oil
Sampling	GB/T 6680	300 ml for test; 300 ml for sample preparation
Density	GB/T 4472	0.88-0.99g/cm ³
Flash Point (Closed) °C	ATSM D7094	>93°C
pH value	pH test paper	5-9
Kinematic viscosity (20°C, mPa.s, 20s ⁻¹)	SY/T 0520	<800
Polymer content (%)	—————	10-30
Rate of increase	SY/T 6578	>25
Pour point (°C)	GB/T 3535 2006	Higher than -5°C

**Note: The above data only represent the parameters of DOD-H350 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-H350 can operate, actual effect depends on pipeline and fluid conditions.

Product Description

The main components of the product are polyalkene polymer powder and mixed alcohol ether suspension. Easy to store and use.

Drag reducer is used in long-distance pipeline, only suitable for crude oil pipeline. The polymer produced by special process is suitable for the pipeline which can obtain higher effect of increasing / reducing drag by injecting more drag reducer, and the preservation environment is closer to the appropriate environment. This product is characterized by high flash point, over 93 °C , almost no special smell, good environmental protection. The product is applicable to the oil temperature over 20 °C in the oil pipeline. The usual filling concentration is ≥ 15 ppm. By adding a small amount of drag reducing agent (ppm level) into the pipeline, the physical effect will be eliminated, the turbulence of high-speed fluid will be eliminated, and the friction of the extended range will be reduced. Finally the purpose of increasing the pipeline transportation capacity and reducing the pipeline operation pressure will be achieved. The performance of the drag reducer is greatly affected by the pipeline working condition. The increase rate of the drag reducer in the factory inspection only represents the data of the drag reducer on the factory's experimental pipeline. The actual value shall be subject to the local test data.

Application Method

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

The drag reducing agent is injected into the pipeline quantitatively through the plunger pump, and the injection point is required to be at the rear end of the oil transfer pump and as close to the outbound end as possible; for the case of multiple pipelines, the injection point shall be at the rear end of the confluence point of the pipeline. In this way, drag reducer can play its role well.

Packing

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

Storage And Handling

The storage condition of the product shall be as cool as possible and avoid light. The best storage condition: the temperature shall be 0 °C to 60 °C , and the storage environment shall be dark. The limiting storage temperature is from -5 °C to 70 °C . The closer the limiting storage temperature is, or beyond the limit storage temperature is, the physical form of the drag reducer may be damaged and the use of the drag reducer may be difficult.