

Multi-functional Fluid Loss Control Agent KCM048T

1. Introduction

KCM048T is a multi-functional additive used in oilwell cementing operations. It not only plays important role in controlling fluid loss of cement slurries, but also can optimize rheological properties of viscous spacer, and work as a retarder and anti-settling agent in cement slurry design.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH (1% solution)
KCM048T	Off-white Powder	1.25-1.45	Soluble	-	Eyes	Dust	8.0-10.0

3. Chemical Properties and Application

KCM048T is a modified bio-polymeric in white powder form. The special groups introduced into the polymer backbone and the proper molecular weight enable KCM048T to have multiple functions such as gelling agent used in spacer to optimize rheological properties, fluid loss control agent, retarder and anti-settling agent in cement slurry.

Laboratory testing indicates that KCM048T is compatible with most cement additives, oilwell cement and various mix-water. It can be used in the temperature range of 75-250°F.

4. Treatment

Stable slurry (as fluid loss control and anti-settling agent) is easily obtained in KCM048T concentration range between 0.05% and 0.2% BWOC.

5. Packaging

KCM048T is supplied in plastic-lining bags with a net weight of 25 kg/sack.

It should be stored in shaded areas with good ventilation. Keep it away from high temperature, humidity and direct sunlight.