



产品介绍——磺甲基酚醛树脂

Sulfomethyl Phenol Formaldehyde Resin Introduction

产品名称 (Product name)

磺甲基酚醛树脂 SMP-I/II Sulfomethyl Phenol Formaldehyde Resin (SMP-I/II)

性能及应用 (Application)

钻井液用磺甲基酚醛树脂是一种耐高温降失水剂，它的分子量不高，仅 104 左右，对粘土颗粒无絮凝作用，不会引起增稠作用。磺甲基酚醛树脂的亲水性和抗盐析能力强，受高温影响小。它对降低钻井液的高温高压失水效果显著。此外它还能改善滤饼的润滑性，对井眼也有稳定作用。

SMP- I 型可用于矿化度小于 100, 000PPm 的钻井液，SMP- II 型可用于饱和盐水钻井液。

Sulfomethyl Phenol Formaldehyde Resin for drilling fluid, with molecular weight of 104, is capable to bear temperature change in dehydration. It has no flocculability to clay grain, but has strong capability of hydrophile and saltingout resistance. In addition, it can improve the unctuousity of the filter cake and stabilize the mouth of the well.

SMP-I can be used in drilling fluid which salinity is less than 100,000PPm, SMP-II can be used in saturated salt water drilling fluid.

质量指标 (Specifications)

项 目 <i>Properties</i>	性 能 指 标 <i>Values</i>			
	<i>SMP-I</i> 水剂 <i>aqua</i>	<i>SMP-I</i> 干剂 <i>dry powder</i>	<i>SMP-II</i> 水剂 <i>aqua</i>	<i>SMP-II</i> 干剂 <i>dry powder</i>
外 观 <i>Appearance</i>	棕红色粘稠状流体 Red brown dope	棕色自由流动的粉末 Freely flow powder, it is red brown	棕红色粘稠状流体 Red brown dope	棕色自由流动的粉末 Freely flow powder, it is red brown
干基含量 % <i>Dry Base Content</i>	≥42.0	≥90.0	≥42.0	≥90.0
水不溶物 % <i>Water Nonsolute</i>	—	≤10.0	—	≤8.0
动力粘度 <i>Mpa · S</i> <i>Motivity Viscosity</i>	70~230	—	30~100	—
浊点盐度(以Cl ⁻ 计) <i>g/L</i> <i>Cloud Point Salinity</i>	≥110.0	≥100.0	≥160.0	≥160.0
表观粘度 <i>Mpa · S</i> <i>Surface Viscosity</i>	≤25.0	≤25.0	≤50.0	≤50.0
高温高压滤失量 <i>mL</i> <i>Filtrate Loss in High Temperature and Pressure</i>	≤25.0	≤25.0	≤35.0	≤35.0

包装储运 (*Packaging*)

水剂磺甲基酚醛树脂采用铁桶包装，并具有良好密封性；干剂磺甲基酚醛树脂外包装采用三合一牛皮纸袋包装，并内衬防水塑料膜。

Sulfomethyl Phenol Formaldehyde Resin in aqua has packing in iron barrel with excellent sealability; Sulfomethyl Phenol Formaldehyde Resin in dry powder has packing in united triple brown paper, with plastic lined poly bag.

操作安全提示 (*Operation safety tips*)

避免接触到眼睛，使用时应戴好防护眼镜、手套。安全性信息详见材料安全数据表 (MSDS)。

Wear protective glasses to avoid contact with eyes, gloves when using. Safety information refer to the material safety data sheet (MSDS).