

Product Description - Mineral processing CMC

Description:

Mud Stabilizer CMC maintains the stability and fluidity of mud by adjusting the rheology of mud, inhibiting particle sedimentation and dispersion. It is often used as a stabilizer and rheology regulator for mud (ore pulp). With its thickening, dispersing and swelling inhibition properties, it could greatly reduce the interference of sludge on useful minerals and improves the concentrate grade and recovery rate.



Main functions:

Mud stabilizer CMC increases the viscosity of the slurry, slows down the sedimentation rate of solid particles, maintains the uniform suspension of mineral particles in the slurry, prevents stratification or pipe blockage, and ensures the normal flotation of minerals. It can reduce the hydrophobicity of the mineral surface, so that magnesium-containing silicate gangue minerals.

Physical and chemical indexes (analytical methods are available, according to GB1886.232-2016) :

CMC Parameters

Type	ML30	ML50	ML150	M50	M150	M300
Appearance	White or yellowish powder or granule					
Moisture	10% max					
D.S	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0	0.9-1.0	0.8-0.9
Viscosity (Mpa.s)	2% solution			1% solution		
	30-50	50-100	150-400	50-100	150-200	300-500
Purity	As per customer requirement					

