Swellgel PF Bentonite

Swellgel PF is a natural sodium bentonite free of any polymer additives, making it an environmentally safe product. It finds wide application in civil engineering across a broad range of uses. The product is particularly suited for drilling technologies where a high emphasis is placed on eco-friendly solutions. It is an ideal additive for cements, with proven effectiveness in various applications. Swellgel PF is utilized in cement slurry technologies for large-scale TBM (Tunnel Boring Machine) and construction projects. Due to its high montmorillonite content and exceptional physico-chemical properties, it exhibits superior swelling capabilities, making it an excellent choice for soil sealing applications.

Rheological properties

Parameter	Unit	Value (Swellgel PF)
Mixer	–	Hamilton Beach (11000 rpm)
Mixing time	[min]	20
Conductivity	[µS/cm]	2
Concentration	–	22.5g/350ml
600	49	26
300	38	19
AV	–	13.0
PV	mPas	7.0
YP	lbs/100sqft	12.0
YP/PV	–	1.71

Packaging

Swellgel PF is packed in 25 kg multilayer bags. There are 40 bags on one pallet.
Swellgel PF Bentonite can be also delivered in 1000 kg big-bags.