Technical Data Sheet

Mikolit 300 M

Product description:

Bentonite clay pellets with medium swelling capacity and enhanced magnetic detectability to produce waterproof sealings. Preferred application for the completion of bore-holes drilled with dry drilling methods.

Product characteristics:

Appearance:	Clay pellets	
Dimension (length):	5-10	mm
Dimension (diameter):	8	mm
Swell compressive strength:	0,0056	N/mm²
Geophysical detectability	Magnetic Log	
Gamma ray activity:	approx. 50	API
Bulk density:	1,0	g/cm³
Coefficient of permeability k_f:	< 2,3 x 10^{-11}	m/s
Sinking speed (water):	20	m/min
Structural stability:	2	class

Field of application:

Due to the limited swelling capacity, good seals are achieved in non-caving annular spaces without any leakages along the surfaces of contact. Because of the special swelling behav-iour Mikolit 300 M clay pellets show less tendency of sticking on the surface of temporary installed casings when they are pulled out of refilled borehole sections. Mikolit 300 M seal-ings are showing reliable water impermeability even for large hydraulic gradients. Mikolit 300 M can be geophysically detected with magnetic logging.

Determinations of requirements:

1. Borehole backfill:
   Borehole diameter²[dm] x 7,85 → Mikolit 300 M [kg/m]
2. Annular sealing:
   (Borehole diameter²[dm] - casing diameter²[dm]) x 7,85 → Mikolit 300 M [kg/m]

Form of delivery:

Mikolt 300 M is available in 25 kg plastic bags and 1 t big bags