



Big bags 1000 kg



Bags 25 kg



Pellet length 7 – 12 mm



Swelling capacity 50 – 60%

TECHNICAL DATA

Mikolit®

300M

Mikolit® 300 M is a modified Mikolit® 300. Magnetite, a strong magnetic, ferrous mineral is added to the raw material. This ensures that introduced clay layers are detectable with simple equipment. The swelling and the sealing of the Mikolit® 300 is only slightly influenced by the additive. After the spaces between the grains have been filled up, a wide degree of swelling capacity remains, which means that, in case of damaging, the clay layer will repair itself. The introduced clay layer is not water saturated and therefore it is a rather fixed clay layer. Quality 300M has sublime sinking quality's, due to the fact that the product is free of dust, it has a strongly slowed down start of swelling, it has favorable grain dimensions and due to the additive it has increased density. The chosen raw materials make the product very little adhesive to casings, which makes the product very arranged for drillings with temporary casings. It is recommended to bring in some course sand at the level where there is a connection between the Mikolit® 300 M and gravel. Also in salty water enough swelling remains to insure a good sealing.

Product name:	Mikolit® 300M
Pellet color:	Black / grey
Pellet size:	Ø ± 8 mm, length 7 – 12 mm
Package:	Bags 25 kg / big bags 1000 kg
Sinking speed in water:	21 m/min
Density water saturated:	2,0 t/m ³
Bulk density:	1,3 t/m ³
Start of swelling:	15 min
Swelling capacity:	50 – 60% ¹⁾
Permeability:	< 10 ⁻¹¹ m/s
Swelling pressure:	6 – 8 kN/m ²
γ-ray:	80 – 100 API

¹⁾ Free swelling in goblet glass in dem. water, additional to pore volume.

Quantity needed (kg/m)

Bore-hole (mm) ▶

	300M	100	125	150	200	250	300	400	500	600
0	10	16	23	41	63	91	162	254	365	
50	8	13	20	38	61	89	160	251	363	
100		6	13	30	53	81	152	243	355	
125			7	25	48	75	146	238	349	
160				15	37	65	136	228	339	
200					23	51	122	213	324	
250						28	99	190	302	
315							63	153	264	
400								91	203	
500									112	

Distributed by:

Mikolit®-products are produced by:



Engelenkampstraat 71 • Postbus 78 • NL-6130 AM Sittard

Telephone: +31 (0) 46 4 526 662

Fax: +31 (0) 46 4 513 055

E-mail: info@terratech.nl

The producer remains the right to change specifications of the products without further acknowledgement.