

KF, KF-C - mica colmatage fillers for drilling fluids

Manufacturer
АО «НПО «Polycell» (joint stock company, Russia)
TS 5725-008-56864391-2007



Mica fillers (colmatants) are designed to prevent and eliminate the absorption of drilling mud. АО «НПО «Polycell»(JSC). АО "НПО Polycell" (JSC) produces several grades of colmatant with modifying additives, providing hardened filling of pores, cracks and cavities.

Product Characteristics

Grades:

KF-0,63, 1, 2, 3, 5, 10, 20, 30 – mica colmatant;

KF-1C, 3C, 5C, 10C, 30C – mica colmatant, with the addition of modified lignocellulosic fibers.

The granulometric class and type are marked as follows:

KF-1 - 95% of the particles have a size of less than 1 mm;

KF-5 - 95% of the particles have a size of less than 5 mm.

	K-0,63	K-1	K-5	K-10
Bulk density kg/m ³ , not less	600	600	600	700
Mass fraction of residue on the grids after dry sieving, %, not more				
10,0 mm	None	None	1,0	5,0
5,0 mm	None	None	4,0	Not rated
1,0 mm	1,0	5,0	Not rated	Not rated
0,63 mm	10,0	Not rated	Not rated	Not rated

Application

Colmatants are used to control the absorption of drilling mud. The grade of the colmatate used is determined in accordance with the specific drilling conditions.

Mica colmatizing compositions are very effective as the main filler of viscoelastic compositions pumped into the well to eliminate absorption of drilling mud.

Reagent consumption is ~ 11 - 17 kg per 1 m³ of drilling mud.

Packaging

The product is supplied in polypropylene bags with polyethylene liners of 10-15 kg or in soft containers of single use with a volume of 1 m³ of big bag type (1000 kg).

Национальный Буровой Сервис



Storage

The product is stored in warehouses. It is allowed to store the product under a canopy or on a planned site, protected from mechanical damage, precipitation, soil moisture and away from sources of fire.

Guaranteed storage period is 36 months from the date of manufacture, if the consumer observes the requirements of transportation and storage.

Hazard Class

Low-risk product. The hazard class is 4.