

Microsphere

Lightweight

Description

Microsphere - a single-celled hollow sphere with a smooth outer surface.

Applications/functions

- To reduce the density of drilling fluids to 0.66 g/cm³.
 - For improved torque reduction performance.
 - To reduce wear on casing strings due to rotation of the drill string.
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Advantages

- Effective in water-based and hydrocarbon-based drilling fluids.
 - Does not change the rheological characteristics of drilling fluids, is environmentally friendly and technologically efficient.
 - Reduces the coefficient of friction at metal / metal contact and the tackiness of the filter cake, thereby reducing the likelihood of sticking.
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Typical Properties

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| • Appearance | Single-celled hollow spheres of white, gray colors. |
| • Density, g/cm ³ | 0,35-0,43 |
| • Fractional composition | 5-100 mkm |
| • Softening temperature | 600°C |
| • Compressive strength | 2500-5000 psi |
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Recommended treatment

The recommended concentration depends on the purpose of using Microspheres.

Package

Microspheres are packed in large bags, 400 kg each.
