

# Nut plug

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## *Lost Circulation Material*

### **Description**

Nut Plug, ground nut shells, is used to combat lost circulation. There are three grades of Nut Plug: fine, medium and coarse. All the three grades can be used as LCM in cement slurries with relaxed filtration to treat and plug loss zones. Fine-grained Nut Plug can be used in drilling fluids to prevent lost circulation.

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### **Applications/functions**

- Prevent or minimize mud losses.
- Remove sticky clays from BHA and drilling string.

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### **Advantages**

- Highly resistant
- Compatibility with other LCM additives.
- Size can vary depending on losses severity.

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### **Typical properties**

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|----------------------|--------------------------------------|
| • Appearance         | Coarse-grained granular material     |
| • Dry sieve analysis | <i>Approximate %</i>                 |
| Fine                 | 30 for 85 screen<br>60 for 28 screen |
| Medium               | 30 for 28 screen<br>60 for 10 screen |
| Coarse               | 10 for 52 screen<br>40 for 18 screen |

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### **Recommended treatment**

Add Nut Plug at 28,5-114,1 kg/m<sup>3</sup>.

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### **Package**

Nut plug of all grades is packaged in 25 kg sacks.

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