

# r.form Expanderöl EP 4-CF

**r.form Expanderöl EP 4-CF** is a brown coloured, emulsifying special expander oil for extreme forming operations. This product is free of chlorine and lead.

## Application

**r.form Expanderöl EP 4-CF** is primarily used for lubrication of expander heads for large diameter pipe manufacturing.

This product has successfully approved for thick-wall pipe manufacturing.

**r.form Expanderöl EP 4-CF** incorporates spontaneously acting emulsifiers which assure easy washability.

**r.form Expanderöl EP 4-CF** features a specific combination of substances providing good wettability and adhesiveness.

The addition of chemical EP-additives eliminates the risk of material galling even under extreme pressures.

## Properties

- substantial adhesiveness
- extremely high pressure load capacity
- good anti-corrosion properties

## Technical Data

| Viscosity<br>40 °C<br>(mm <sup>2</sup> /s) | Density<br>20 °C<br>(g/ml) | Flash point<br>(°C) | Pourpoint<br>(°C) |
|--|----------------------------|---------------------|-------------------|
| 420-460                                    | 0,995                      | 164                 | -9                |

Brugger test (N/mm<sup>2</sup>) 93+

Copper corrosion (3h at 100°C) grade 1

Emulsifying capacity: spontaneous

Wash off test ok.

Emulsion stability ok.

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

## Edition

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