# WEDOLiT™ EP 435 E

## *Expander oil*

WEDOLiT EP 435 E is a highly viscous, high-performance forming oil based on renewable raw materials. The product has been developed to the highest technical standard for the utilization in the pipe industry (e.g. manufacturing of large diameter pipes, for gas and oil pipelines). The product can be used undiluted and prevents, due to the high content of polar additives, the stick-slip-effect.




## Physical Properties Typical Data

| Parameter | Typical results | Tested according to |
|---|---|---|
| Appearance: | Brown, viscous fluid | Visual |
| Density at 68°F: | 0.98 g/cm$^3$ | ASTM D 7042 |
| Viscosity at 104°F: | > 380.0 mm$^2$/s | ASTM D 7042 |
| 4-ball test: | > 3000 N (typ. 3400 N) | DIN 51350 T2 |
| Copper corrosion: | 1b | DIN EN ISO 2160 |

| Mineral oil | Ester | EP-additives | AW-additives | Zn-additives | Chlorine |
|---|---|---|---|---|---|
| - | + | + | + | - | - |

## Application Guidelines

The product should be stored frost-free, between 50 - 104°F, (10 - 40 °C).
The minimum durability is 12 months in original sealed package.

## Additional Information

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## Choose WEDOLiT EP 435 E:

- Very high film stability (even under high pressures)
- Good adhesion properties on smooth surfaces, very good wear protection
- Easily removable with water (spontaneous emulsification)
- The emulsion can be used for pre- and post-cleaning of the pipes and the expander head and can be separated into water and oily waste by the utilization of specific additives
- The treated water can be reused for the preparation of a new emulsion (to a certain degree)

## Health and Safety

For further information, see the most recent SDS which is available directly from Master Fluid Solutions.

B-41, Chakan MIDC Phase - 2, Village Bhambuli,
Post Vasuli, Tal. Khed, Pune -410 501.
Maharashtra,
India

india-info@masterfluids.com

masterfluids.com/in/en-in/