

BECHEM Unopol FX 200
Next-Gen lubricant for copper wire drawing



Synthetic meets emulsion: BECHEM Unopol FX 200

The latest generation of the new semi-synthetic, water-miscible drawing lubricant perfectly combines the advantages of mineral oil-based and fully synthetic drawing lubricants: BECHEM Unopol FX 200 combines the machine-cleaning performance of a fully synthetic with the outstanding properties of an emulsion.

We call this the ideal synergy of synthetic and emulsion: a combination that also ensures excellent drawing performance, constant pH values, minimal foaming and easy handling during the set up of a new emulsion. At the same time, it enables significantly extended service life of the drawing dies and therefore excellent performance potential for stable production of bare and tinned copper wire up to a final diameter of 0.10 mm.

BECHEM Unopol FX 200 is a high-performance lubricant that meets the increasing demands of environmental regulations, process optimization and process combinations. It minimizes wear, reduces maintenance and thus increases productivity.

The drawing lubricants of the BECHEM Unopol series are known worldwide for their use in demanding wire drawing applications and convince wire manufacturers around the globe. Thanks to intensive BECHEM development and research work in close cooperation with OEMs and users, they offer practical solutions that guarantee the highest quality and productivity in modern copper wire drawing.

BECHEM Unopol FX 200 fits perfectly into the BECHEM system solution, which includes lubricating greases, lubricants, cleaners and corrosion protection for the wire and cable industry.

**BECHEM Unopol FX 200 – developed in Germany.
Produced and available globally.**



Copper corrosion protection



Extended lifetime of drawing dies



Increase of productivity



Very good pH stability

Properties

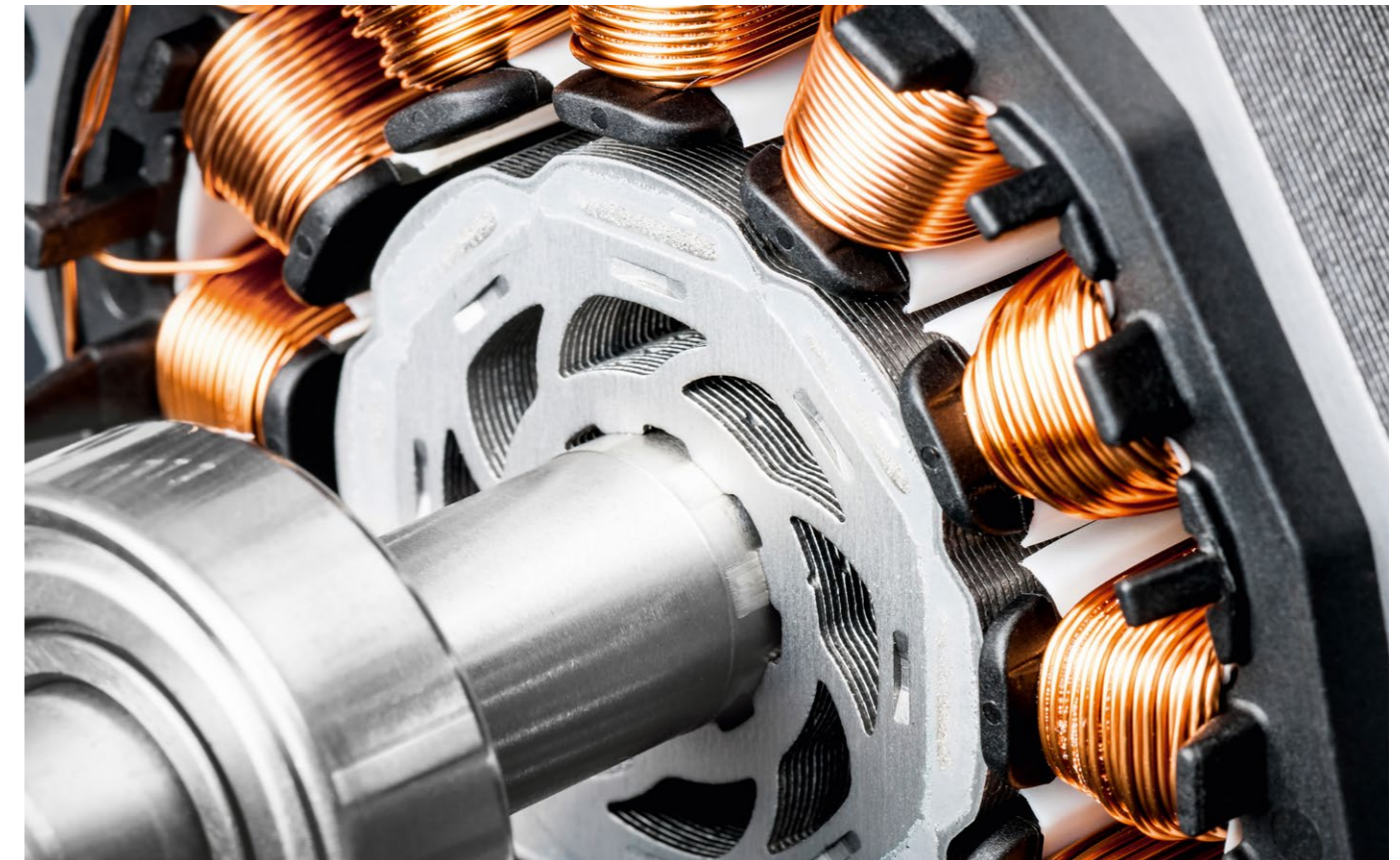
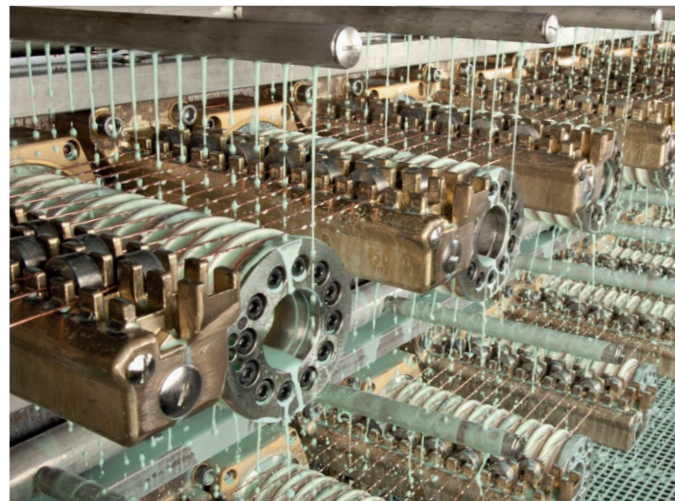
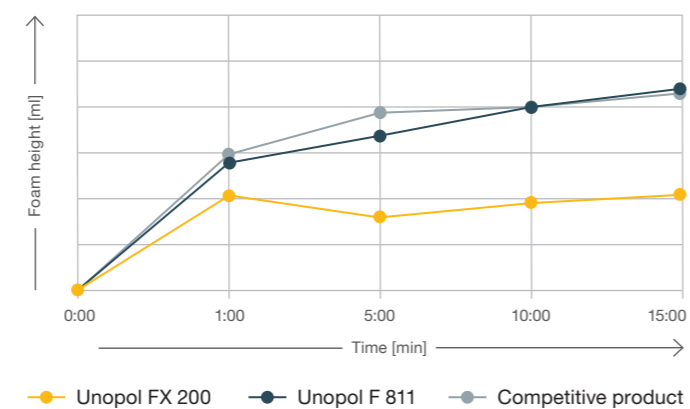
- Very good pH stability
- Water miscible
- High lubricating power
- Very good cleaning effect
- Long emulsion life
- Good rinsing and residue behavior

Recommended application concentration

Rod breakdown	approx. 12 – 15 %
Medium wire drawing	approx. 6 – 8 %
Fine wire drawing (single wire)	approx. 2 – 4 %
Fine wire drawing (multi wire)	approx. 8 – 10 %
Continuous annealing	approx. 1 %

» Maximum reduction of wire breaks. «

Foam test (circulation, 8 %, 10 °dH at 40 °C)



Drawing oils and drawing emulsions

Lubrication solutions
for wire drawing



LUBRICATION SOLUTIONS FOR INDUSTRY

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