

PRESS RELEASE



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New Ways in Aluminium Wire Drawing

The use of emulsions for aluminium multiwire drawing allows a pleasant and clean working area which cannot be achieved when operating the drawing machines with conventional drawing oils.

Wires manufactured of aluminium and aluminium alloys, which up to now have been applied in high and medium voltage lines or as coaxial cable, have recently also been used in the automotive industry in view of the possible reduction in costs and weight.

Due to the high copper price many companies nowadays tend to apply aluminium for the production of enamelled wires as well.

Up to now oils are used for drawing of aluminium wires. Especially in the field of rod wire drawing those partially highly viscous media are essential. Their application is, however, linked with the known disadvantages, such as impossible filtration and an oil contaminated wire surface.

Thanks to their lower viscosity, the products from the BERUDRAW-family made by BECHEM offer a considerably improved filterability, residue-free wires and more stable drawing processes. The use of BERUDRAW AL 8 in combination with a tailor-made filtration allowed to comply with the high requirements of energy supply companies with regard to surface quality and cleanliness of the wires.

New ways are now open for the end users: The application of emulsions for multiwire drawing of aluminium allows a pleasant and clean working area which cannot be achieved when operating the drawing machines with conventional drawing oils. Clean drawing machines and optimal filtration provide an almost residue-free finished product with high-quality surfaces, which guarantees best finishing of the aluminium wires. In addition to that an improved filtration results in a considerably extended lifetime of the emulsion and corresponding cost savings.

Thanks to the well selected additives, the products from the UNOPOL AL-series offer long lifetime of the emulsion and best lubricating properties, as well as the frame parameters for a stable and efficient drawing process. UNOPOL AL 560 for

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example is successfully used for multiwire drawing of aluminium up to a final diameter of 0,3 mm. UNOPOL AL 560 is most suitable for inline drawing with subsequent annealing and enamelling processes.

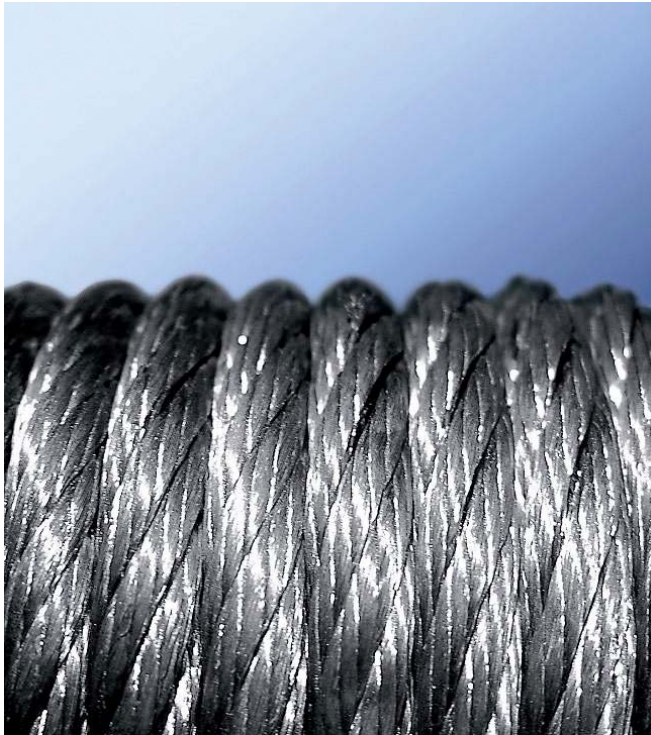
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Stranded aluminium wire

Foto: BECHEM