

PEEK-insulated copper magnet wire



Ampact™

# Wired to power up high-voltage mobility

Higher power density

Extended driving range

Fewer greenhouse gases (GHG)

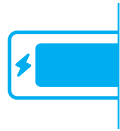
Increased lifetime

Pushing the battery performance of EVs means rethinking their design. With Ampact™ PEEK-insulated high-voltage magnet wire, we help you secure the extra mile while saving design and assembly time, energy, and valuable resources.

## Reduce costs with a smaller and lighter stator

Engineered to meet the most challenging customer specifications, PEEK-insulated copper magnet wire facilitates sharper and shorter bends to save space in the stator design. Combined with an optimized wire thickness, you can create smaller and lighter stators and reduce costs significantly without impacting the winding wire's energy output.

# Secure the extra mile with Ampact™ magnet wire



## Reliable wire coating for extreme environments

The type of insulation coating plays a key role in the processability, longevity, and potential energy losses of wire stators. Since PEEK doesn't crack when bent in extreme positions and shapes (such as a hairpin), the wire's winding path is optimized. Next, the thinner coating enables a more efficient heat exchange. Additionally, PEEK-coating meets the most challenging demands of 800V-applications in terms of resistance to, for example, cooling and transmission oils present in high-voltage motors.



## More sustainable - fewer greenhouse gases

PEEK-insulated winding wire helps you contribute to a more sustainable tomorrow by eliminating most of the disadvantages associated with enamel coating. For example, less energy and fewer resources are required during the production process. Additionally, PEEK-coating is easy to recycle thanks to its thermoplastic characteristics, and removes harmful solvents from the coating process.



## Improved flexibility and processability

We first transform high-quality, low-carbon emitting copper wire rods into rectangular shapes. Next, we apply the defect-free PEEK-coating through single-layer extrusion. Following extensive testing of the consistency of both the coating thickness (100-200µm) and insulation properties, the wires are wound onto a spool. Our focus is to deliver industry-leading magnet wires that enable a more efficient, fully automated bending process and assembly.

## Looking forward to discuss

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