



ReCoTec® EXTRUSION

COMPOSITE MATERIALS FOR  
HIGHEST ELECTRICAL AND  
MECHANICAL REQUIREMENTS.

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# POWER COMPOSITES, THE FULL-RANGE SUPPLIER OF HOLLOW COMPOSITE INSULATORS.

Power Composites, a subsidiary of the German Group Maschinenfabrik Reinhausen, is your partner for high quality hollow composite insulators. These products are designed for high voltage apparatus and special resin-fiberglass reinforced tubes with the highest mechanical and electrical characteristics.

In order to meet worldwide customer requirements, Reinhausen expanded the LSR hollow composite insulators portfolio with the HTV silicone extrusion technology. The HTV extrusion process allows a variety of profiles and is designed to meet leakage distances specified by end-users, according to their environmental conditions. Power Composites has more than 30 years experience in the design and production of HTV silicone insulators for all type of high voltage application, up to highest AC & DC voltage ranges.

Power Composites is now able to fulfill any customer needs in terms of material and customer specifications, any insulator shape and length with single tubes up to 12.5 m and any shed profiles to give maximum performances under highest polluted environment and AC or DC stress.

The range of LSR-injection technology in combination with the HTV extrusion hollow core insulators covers all voltages ranges.

## Special HTV silicone features

- High resistance against erosion and tracking especially for HVDC

- Very good arc resistance
- Highest dielectric and mechanical properties
- Cylindrical or conical Insulators up to 12.5 meters are manufactured in one piece
- The high flexibility of the process ensures the implementation of specific customer needs in a cost-efficient way
- The hollow core insulators are designed for all types of high voltage applications from 72,5 kv up to 1100 kV DC / 1200 kV AC

## Sheds

Power Composites offers single or alternating shed profile designs meeting IEC criteria and the required pollution severity. The shed angle given by extrusion ensures optimal protected and creepage distances, leading to the lowest possible leakage currents even in very severe polluted environments.

## Sheds features

- Single or alternating shed profile with any angle, spacing and overhang
- A wide range of special and standard shed profiles are available
- Shed extremity with drop shape for minimized electrical field
- Optimized profiles from basic to extreme USCD (mm/KV)
- Available special sheds fulfilling special requirements for UHVDC

THE POWER BEHIND POWER.

