



We Enable Energy

Durotenax

Thermosetting material for high- and low-voltage applications

Von Roll Composites is part of the Von Roll Group, one of Switzerland's longest-established industrial companies. Von Roll Composites has decades of experience in the production of composite materials for industrial high- and low-voltage applications.

The portfolio includes the production and processing of **Durotenax** products, which are ideally suited for a multitude of electrical solutions.

Applications

Due to its outstanding thermal, electrical and mechanical properties, **Durotenax** is especially suited for:

- » High-voltage connectors
- » Applications in the chemical industry
- » Joints and gaskets
- » Contact plates in circuit breakers
- » Various parts for tools and machines



Joints and gaskets



Contact plates in circuit breakers



High-voltage connectors

Properties

Mechanical properties

Thanks to its outstanding mechanical properties, **Durotenax** is the right product for applications requiring high resistance to mechanical stress.

Electrical properties

With a dielectric strength of up to 20 kV/mm, this basic material is perfectly suited to high-voltage applications.

Thermal properties

The material has the ability to perform at insulating temperature class F (155°C). It also shows outstanding flexibility in cryogenic environments (-200°C).

Manufacturing

The material is generated using casting processes. Later, it can be treated and further shaped by milling, drilling, cutting on circular saws and other traditional tooling.

Storage

Durotenax products enjoy an unlimited shelf life.



Insulating part for a wire abrasion machine



Joints, gaskets and bushings for high-voltage machines



Flange assembly



Power socket

