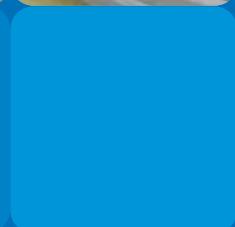
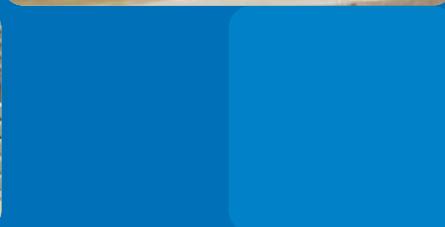
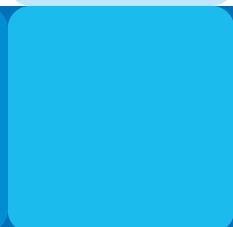
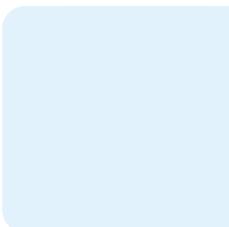
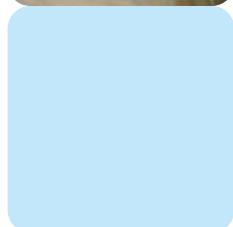




RÖCHLING

Durostone® EPX-M

**Shield end rings + shield rings
for oil filled power transformers**



Fibre reinforced plastics

Durostone® EPX-M

Shield end rings + shield rings for oil filled power transformers



Shield end ring for a power transformer made of the filament wound Durostone® EPX-M

No shrinkage during Vapour-Phase Drying

As the first manufacturer Röchling now offers shield end rings and shield rings for oil filled power transformers made of a glass fibre reinforced plastic based on an epoxy resin matrix. This filament wound composite material with the brand name Durostone® EPX-M does not shrink during Vapour-Phase Drying and thus allows exact dimensioning of the transformer components.

Application

- shield and shield end rings in oil filled power transformers

Properties

- high dimensional stability
- high mechanical strength
- Insulating Class H 180°C

Advantages

- no shrinkage during Vapour-Phase Drying
- allows the reduction of wall thicknesses
- withstand high short-circuit forces
- manufactured in a single, all-in-one pieces technology. This provides a high and homogenous mechanical strength. Patchworking is no longer necessary

Machining

CNC-machining according to customers' drawings and requirements

Dimensions of machined components

- diameter: up to 3,500 mm
- height: up to 1,600 mm
- wall thickness: 15 - 500 mm

Other dimensions on request



Durostone® EPX-M shield rings

Remarks

⊥ = perpendicular

The data mentioned in this brochure are average values ascertained by current statistical returns and tests.

The data is provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sales.

Technical Data

		Test Method	Unit	Value
Density		ISO 1183	g/cm³	2,1
Bending strength	⊥	ISO 178	Mpa	600
Modulus of elasticity in flexion	⊥	ISO 178	Mpa	35,000
Compressive strength at 90°C	tangential			450
	axial	ISO 604	Mpa	100
	radial			100
Insulation class		IEC 60085	-	H
Electric strength 90°C		IEC 60243	kV/25mm	35
Relative permittivity		IEC 60250	-	4,5

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