# Röchling

### Industrial

# Technical Data Sheet Durostone<sup>®</sup> EPC 204

#### **Typical characteristics**

- Low flammeability
- Epoxy (EP) resin matrix reinforced with an e-glass fabric

#### **Typical industries**

- Quadri elettrici
- Industria elettrica
- Isolanti elettrici

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g / cm <sup>3</sup>	2,0
Flexural strength <sup>⊥</sup>	ISO 178	MPa	500
Flexural strength <sup>1</sup> +150°C	ISO 178	MPa	350
Modulus of elasticity in flexion $^{\perp}$	ISO 178	MPa	25000
Modulus of elasticity in flexion <sup>1</sup> +150°C	ISO 178	MPa	21000
Compressive strength <sup>⊥</sup>	ISO 604	MPa	500
Tensile strength II	ISO 527	MPa	350
Impact strength II (Charpy)	ISO 179	kJ / m²	120
Shear strength II	IEC 60893	MPa	35
Thermal properties			
Flammability	UL 94	/	V0 / 2mm
Temperature index	IEC 60216	T.I.	155
nsulation class	IEC 60085	1	F
Physical properties			
Water absorption (4mm thickness)	ISO 62	%	< 0,1
Dielectrical properties			
Electric strength 90°C under oil $^\perp$	IEC 60243	kV / mm	15
Electric strength 90°C under oil II	IEC 60243	kV/25mm	100
nsulation resistance	IEC 60167	Ohm	10 <sup>12</sup>
Comparative tracking index	IEC 60112	СТІ	600
nsulation resistance after 24 h water immersion	IEC 60167	Ohm	10 <sup>10</sup>

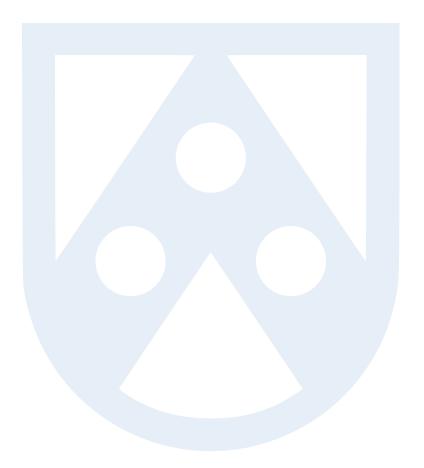
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= perpendicular to the lamination II = parallel to the lamination

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