

Technical Data Sheet

Durostone[®] EPM 203

Typical characteristics

- Epoxy (EP) resin matrix reinforced with an e-glass mat
- Good mechanical and electronical properties at both room temperature and elevated temperatures

Typical industries

- Generatori e motori
- Energie rinnovabili
- Industria elettrica
- Energia eolica
- Isolanti elettrici
- Idrogeno

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g / cm ³	1,85
Flexural strength [⊥]	ISO 178	MPa	360
Flexural strength [⊥] +150°C	ISO 178	MPa	180
Modulus of elasticity in flexion [⊥]	ISO 178	MPa	20000
Modulus of elasticity in flexion [⊥] +150°C	ISO 178	MPa	15000
Compressive strength [⊥]	ISO 604	MPa	500
Tensile strength II	ISO 527	MPa	280
Impact strength II (Charpy)	ISO 179	kJ / m ²	100
Thermal properties			
Temperature index	IEC 60216	T.I.	180
Insulation class	IEC 60085	/	H
Physical properties			
Water absorption (4mm thickness)	ISO 62	%	0,1
Dielectrical properties			
Electric strength 90°C under oil [⊥]	IEC 60243	kV / mm	13
Electric strength 90°C under oil II	IEC 60243	kV/25mm	70
Specific surface resistance	IEC 60093	Ohm	10 ¹³
Comparative tracking index	IEC 60112	CTI	400

= perpendicular to the lamination II = parallel to the lamination

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical

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