

M55

SHEET

Composite:	glass mat –polyester resin with iron powder added	
Color:	black - grey	

CHARACTERISTICS AND APPLICATIONS

Laminated with good mechanical characteristics. Suitable for applications where a magnetic induction response is required such as in wedges of stator.

Mechanical properties

Flexural strength	(ISO 178)	120 MPa
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Magnetic properties

Relative permeability with a magnetic field of 25 A/cm	5,09
Relative permeability with a magnetic field of 50 A/cm	4,14
Relative permeability with a magnetic field of 100 A/cm	3,98
Relative permeability with a magnetic field of 200 A/cm	3,70
Relative permeability with a magnetic field of 300 A/cm	3,55

Physical and thermal properties

Density	(ISO 1183)	3,3 gr/cc
Water absorption	(ISO 62)	0,1 %
Max working temperature	(interno FILP)	155°C

Note: Above listed features are the result of tests performed in FILP internal laboratory and on products obtained from current production. Deviations from average values on these materials may normally occur. Suggestion and indications to final user are provided just to draw user's attention to check the product features on his own. User has to test the product to determine its suitability to the required application.

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