

U08 - RESINA FENOLICA BROWN

General Properties	Condition	Value	Standard
Density		1,31 g/cm ³	DIN EN 61212-3-1
Water absorption		10 mg/cm ²	DIN EN 61212-3-1

Mechanical Properties	Condition	Value	Standard
Bending tensile strength (Flexural strength)		130 N/mm ²	DIN EN 61212-3-1
Compression strength		150 N/mm ²	DIN EN 61212-3-1
Ply adhesion		125 N/mm ²	DIN EN 61212-3-1

Thermal Properties	Condition	Value	Standard
Temperature index	Temperature index TI is equivalent to continuous operating temperature. It is assumed that the properties of the material after 20,000 hours of continuous operation at this temperature must not fall by more than 50% of the initial values.	120 T.I	DIN EN 61212-3-1

Electrical Properties	Condition	Value	Standard
Dielectric strength	perpendicular to the layers in oil 90 °C / wall thickness 3 mm	2,9kV/mm	DIN EN 61212-3-1
Breakdown voltage	at 90°C in oil, parallel to the layers	22 kV	DIN EN 61212-3-1
Isolation resistance		2,7 x 10 ¹² MOhm	DIN EN 61212-3-1

The mentioned properties and average data are based on results of comprehensive tests from our suppliers. The mentioned values are average values and the result of a limited number of laboratory investigations. Investigations have been made on normed test pieces therefore data can considerably differ from the results of tests on the machined parts. It is the buyer's responsibility to check with own tests that the product is suitable for the intended use. Our recommendations are made to the best of our knowledge. They are non-binding and exclude liability for any damage whatsoever.

Conformity and approval tests were carried out on sample parts from our suppliers. The components manufactured by us have not been tested. A final inspection is therefore the responsibility of the customer.