

TKG® G 10

Density 1,90 – 2,00 g/cm³

Colour Green yellowish

Designation Stratified insulator made of glass cloth and epoxy resin. DIN 7735 Type Hgw-2372.

PROPERTIES	RESULT	UNIT	PARAMETER
Mechanical properties			
Flexural strength	385-490	MPa	20°C
Impact strength (Charpy)	33	Kj/m ²	20°C
Hardness (Rockwell)	110	M	20°C
Electrical properties			
Dielectric strength perpendicular to laminations	14,20	kV/mm	A
Breakdown voltage (min)	45	kV	A
Permittivity	5,50	-	A
Disipation factor (max)	0,04	-	A
Miscellaneous properties			
Water absorption	0,07 / 0,16	%	D-24/23
Acetone Resistance	30 good	Min	Boiled
Punchability (thin)	Good		-
Insulation resistance (min)	5,0x10 ¹⁰	Ω	After impregnated in water

MAIN CHARACTERISTICS

High mechanical strength
Good dynamic properties
Great chemical resistance and thermal endurance properties.

INDUSTRY APPLICATIONS

High quality construction material
Electrical insulation applications

Notice: The information given was made with our knowledge indicating our product's possible applications. Existing commercial patents must be observed. These values represent averages taken from samples, so we reserve the right of technical alterations. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. The customer is solely responsible for the quality and suitability of products for the application and has to test usage and processing prior to use. Data sheet values are subject to periodic review, the most recent update can be found at www.traidvillarroya.com. Traidamid, TKG and TVH as well as their logos are registered trademarks of the Traid Villarroja group of companies, in Europe and other countries.