

TKG® Hgw 2083 / 2082

Density 1,30-1,40 g/cm³

Colour Dark brown

Chemical Designation Stratified insulator made of cotton cloth and polymerized phenolic resin.

DIN 7735 Type Hgw-2083. DIN 7736 Type Hgw-2082.

PROPERTIES	RESULT	UNIT	PARAMETER	NORM USED
Mechanical properties				
Tensile strength	55	MPa	20°C	UNE 53189
Impact strength (Charpy)	18	Kj/m ²	20°C	UNE 53189
Compression strength	235	MPa	20°C	UNE 53189
Cross breaking strength	100	MPa	20°C	ISO 1642 UNE 53189
Miscellaneous Properties				
Water absorption	10 mm - 319 mg.		24h	ISO 1642
Thermic class	E - 120°C		-	CEI Pub.85
Resistance to heat s/martens	125°C		-	DIN 53458

100% iner material and non harzardous to health.

If machined you should take usual precautions and wear protective mask and goggles as well as a vacuum for dust suction.

Main Characteristics

Excellent mechanical properties

High resistance to blows and vibrations

High resistance to friction, for general industrial applications

Industry Applications

Machined parts of big sizes for mechanical applications

Ball bearings

Silent gearings for modules

Ball bearing caps