

BAKELISED WOOD

Quality ¹⁾	DIN 7707 KP	Density	Assembly
MII / 2 / 30 E3	HB 610	g/cm ³	
	20 225	1,25 – 1,35	+

Mechanical Properties

Bending strength \perp and \parallel	Bending modulus of elasticity	Compressive strength \perp	Compressive strength \parallel	Tensile strength \parallel	Impact resistance \perp	Impact resistance \parallel	Ball indentation hardness \perp 60 sec.
DIN ISO 178 ^{1) 8)}	DIN ISO 178 ^{1) 8)}	DIN ISO 604	DIN ISO 604	DIN ISO 527 ¹⁾	DIN ISO 179 ¹⁾	DIN ISO 179 ¹⁾	DIN ISO 2039-1
N/mm ²	N/mm ²	N/mm ²	N/mm ²	N/mm ²	kJ/mm ²	kJ/mm ²	N/mm ²
130	14 000	230	170	90	25	20	60

Physical Properties

Water absorption	Oil absorption	Coefficient on linear elongation between 20°C and 100°C	Thermal conductivity for RT 20°C ⁹⁾	Limit use temperature	Temperature limit when drying and impregnating oil
DIN ISO 62	DIN 7 707	-	DIN 52612	DIN 7 707	DIN 7 707
%	%	mm.10 ⁶ mm.°C	W m K	°C	°C
2,0	<3	7	Ca. 0,30	90	90

Electrical Properties

Disruptive resistance (dielectric rigidity) \parallel 20°C	Disruptive resistance (dielectric rigidity) \parallel 90°C	Dielectric loss factors for 50 Hz 20°C	Insulation resistance preconditioning "0"	Tracking
IEC 243-VDE 0303T.21	IEC 243-2/VDE 0303T.21	DIN 53 483	IEC 93/VDE 0303T.30	IEC 112-VDE 0303T.1
kV / 25 mm	kV / 25 mm	tan δ	Ω .cm	Degree
50	35	0,02	10 ¹¹	CTI 175

Les valeurs indiquées dans ces fiches techniques sont des valeurs moyennes mesurées lors des tests de contrôle courant. Les données s'appliquent uniquement aux caractéristiques des matériaux et ne peuvent conduire à des engagements commerciaux que sur la base d'un accord express.

Notes

- 1) Outer placing filters must be in the longitudinal direction of the sample.
- 2) Mechanical values depend on the average diameter of the ring.
- 3) Z and E3 are electrical types, mechanical values, are satisfied up to 50% of the temperatures.
- 4) Parallel types contain a portion of transverse fibers up to 20%.
- 5) Warming period depends on the volume of the workpiece to press.
- 6) Planed surface
- 7) Rings, X quality, have up to 15% radial fibers.
- 8) For mechanical test, please respect the support distance in relation to the thickness of the part.
- 9) Values depend on materials humidity variations.

Values in this sheet are average values measured during routine control tests. The above data apply only to characteristics of the materials and can only lead to commercial commitments on the basis of an express agreement.

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