

MECHANICAL PROPERTIES

	Service temperature long term	Flexural strength (DIN 53 452)	Modulus of elasticity (DIN 53 452)	Impact strength ak10/ak15 (DIN 53 453)	Notch impact strength ak10/ak15 (DIN 53 453)	Tensile strength (DIN 53 455)	Compressive strength (DIN 53 454)	Bonding strength (DIN 53 463)
MATERIAL	° C	A Mpa	A Mpa	A kJ/m ²	A kJ/m ²	A Mpa	A Mpa	A N
Hgw 2082	110	133	7000	33	14 18	84	180	3500
Baquelite	120	160	10000	22	5.5 24	130	170	2500
Glass fiber G10	130	400	18000	130	60 100	250	250	4000

ELECTRICAL-THERMAL PROPERTIES

	Resistance between plugs (DIN 53482)	Test Voltage II/I (DIN 53 481)	Resistance to tracking Method KC (DIN 53 480)	Limit temperature	Thermal conductivity (DIN 52 672)	Coefficient of linear expansion (VDE 0304)	Deflection under load-Martens (DIN 53 458)	Thermal class (VDE 0534)	Behaviour dur. and after contact with glow rod (DIN 53 459)	Density (DIN 53 479)	Water absorption (DIN 53 495)
MATERIAL	D24/23 Ω	E4/70 KV	A Step	°C	A W/m.K	A 10 ⁻⁶ /K	A °C	A	A Step	P g/cm ³	E24/50 mg
Hgw 2082	-	8 5	125	110	0.2	20 40	130	E	2b	1.37	230
Baquelite	10 ⁸	30 25	175	120	0.2	20 40	150	E	2b	1.35	150
Glass fiber G10	5.10 ¹⁰	55 55	200	130	0.3	10 20	120	B	2a	1.8	30