

Carbon brushes materials

Resin bonded materials

GRADE	RESISTIVITY	FLEXURAL	HARDNESS	DENSITY	CONTACT	FRICTION	CURRENT	MAX
		STRENGTH			DROP	COEF.	DENSITY	SURFACE
	u OHM / m	Mpa	scleroscope	g/cm ^3			A/cm sqr	SPEED
IM9101	102	50	39	1.85	1.55	0.05	8	30
IM3	117	29	24	1.78	1.4	0.1	6	30
IM26	120	46	44	1.76	1.65	0.04	7	30
IM23	140	36	38	1.72	1.64	0.04	9	30
IM8876	178	55	47	1.9	2	0.04	7	30

Copper graphite materials

GRADE	RESISTIVITY	FLEXURAL	HARDNESS	DENSITY	CONTACT	FRICTION	CURRENT	MAX
		STRENGTH			DROP	COEF.	DENSITY	SURFACE
	u OHM / m	Mpa	scleroscope	g/cm ^3			A/cm sqr	SPEED
SM9173	0.075	58	18	5.2	0.12	0.15	25	20
CM	0.08	41	6	6.1	0.12	0.11	23	20
SM0	0.1	58	24	5.25				
CM3H	0.2	27	10	4.2	0.26	0.1	16	30
CM1S	0.32	68	9	5.5	0.12	0.11	23	30
CM5H	0.35	23	15	3.9	0.43	0.1	14	30
CM5B	0.9	33	20	3.5	0.5	0.09	14	30
SM3	2.05	26	29	2.5	0.45	0.15	15	20
CM9	3	29	25	2.8	0.58	0.11	11	35

Natural graphite materials

GRADE	RESISTIVITY	FLEXURAL	HARDNESS	DENSITY	CONTACT	FRICTION	CURRENT	MAX
		STRENGTH			DROP	COEF.	DENSITY	SURFACE
	u OHM / m	Mpa	scleroscope	g/cm ^3			A/cm sqr	SPEED
HM5	10.2	10	12	2	0.77	0.14	11	50
HM2	13	11	23	2	0.82	0.09	10	50
634	18	5.2	20	1.28	2.5	.29	10	81
HM6R	20	9	13	1	1.71	0.19	10	80

The information provided above are typical values only. We reserve the right to modify material specifications at our discretion.

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