



TIRUPATI CARBON PRODUCTS PVT LTD

www.tirucarbon.com

CHARACTERISTICS OF METAL GRAPHITE CARBON

Grade - TCP (P) Ltd	Equivalent ACPL /Morgen		Hardness Shore	Apparent Density Gram /CC	Transverse strength Kg/cm	Specific Resistance Microohms/C	Current Density AMP/cm2	Contact Drop	Coefficient of Friction	Max. Peripheral Speed M/sec.	Brush Pressure Gms/ Cm2
TC - 4	M14R	CM	06-09	6.0-6.3	950-1300	06-10	21-26	0.1 to 0.4v	.15 to .20	19-21	140-160
TC-40	M14E	CMO	07-11	5.3-5.7	450-850	10-15	20-24	0.1 to 0.4v	.15 to .20	19-21	140-160
TC-155	M145E	CM2	08-13	4.6-5.1	350-450	09-16	22-26	0.1 to 0.4v	.15 to .20	24-26	190-210
TC-5	M15E	CM3H	09-11	4.5-4.8	250-400	20-30	15-18	0.1 to 0.4v	.15 to .20	28-32	190-200
TC-6	M16E	CM5H	11-14	4.0-4.2	190-250	35-60	11-14	0.1 to 0.4v	.15 to .20	28-30	240-260
TC-7	M17E	CM3B	16-20	3.6-3.8	220-270	70-110	10-13	0.1 to 0.4v	.15 to .20	28-30	240-260
TC-85	M185E	CM9	17-20	3.4-3.8	200-290	100-150	10-13	0.1 to 0.4v	.15 to .20	24-27	140-160
TC-8	M18E	CM6	17-20	3.6-3.8	300-420	90-140	10-13	0.1 to 0.4v	.15 to .20	24-27	140-160
TC-51	BM-51	CMIS	09-14	5.4-6.0	980-1150	20-40	22-26	0.1 to 0.4v	.15 to .20	25-27	140-160

Grade (TCP Pvt)	Equivalent ACPL /Morgen		Application
TC - 4	M14R	CM	For slipring induction motors BHEL Make
TC-40	M14E	CMO	For slipring starters of automobiles
TC-155	M145E	CM2	For slipring induction motors kirloskar make
TC-5	M15E	CM3H	For low voltage generators and slipring induction motors
TC-6	M16E	CM5H	For slipring of induction motors NGEF Make
TC-7	M17E	CM3B	For slipring induction motors and generators from 12-30 volts
TC-185	M185E	CM9	For wind screen wipers in automobiles
TC-8	M18E	CM6	For welding generator & wind screen wipers in automobiles
TC-51	BM-51	CMIS	For earthing brushes for traction motors of locomotives,