



TYPICAL PROPERTIES OF ELKONITE® MATERIALS
(SEE CMW Inc. Catalog Series 200)

Elkonite® Material	Composition % by Weight	Density		Electrical		Theoretical Thermal Conductivity		Hardness (Rockwell)	Modulus of Rupture in Bending		ATSM Specification
		g/cm³ or Mg/m³	lb/in³	Conductivity % IACS	Resistivity nOhm·m	Btu / (h·ft·°F)	W / (m·°K)		psi	MPa	
1W3	55W45Cu	12.50	.452	53	32.5	180	310	77 HRB	110,000	758	B702
3W3	68W32Cu	13.93	.503	50	34.5	160	280	90 HRB	130,000	896	B702
5W3	70W30Cu	14.18	.512	48	35.9	160	280	95 HRB	140,000	965	B702
10W3	75W25Cu	14.84	.536	45	38.3	150	260	98 HRB	150,000	1030	B702
10W53	75W25Cu*	14.79	.534	28	61.6	85	150	109 HRB	200,000	1380	B702
30W3	80W20Cu	15.56	.562	41	42.1	145	250	103 HRB	170,000	1170	B702
TC5	50WC50Cu	11.26	.408	45	39.3	170	290	94 HRB	160,000	1100	-
TC10	56WC44Cu	11.64	.421	42	41.0	160	280	100 HRB	180,000	1240	-
TC20	70WC30Cu	12.65	.457	30	57.5	140	240	37 HRC	200,000	1380	-

*Cu Alloy 10W53 FULLY HEAT TREATED

ELKONITE® 10W3 ROUND BARS - 8 INCH LENGTH

FINISHED DIA.	PART NO.	FINISHED DIA.	PART NO.
1/8	15-140200-64	3/4	15-141200-64
3/16	15-140300-64	7/8	15-141400-64
1/4	15-140400-64	1	15-141600-64
5/16	15-140500-64	1-1/8	15-141800-64
3/8	15-140600-64	1-1/4	15-142000-64
7/16	15-140700-64	1-3/8	15-142200-64
1/2	15-140800-64	1-1/2	15-142400-64
9/16	15-140900-64	1-3/4	15-142800-64
5/8	15-141000-64	2	15-143200-64