

**Internally Oxidised Silver Cadmium Oxide Contact Material****Technical Data**

Grade	Cadmium Oxide in contact layer by %Weight	Overall Ag content % Weight	Brazeable    backing and its thickness (% of total thickness)	Electrical Conductivity (%IACS)	Hardness (HV1)	
					Soft	Hard
IPM D54XC-A	10	90	None	84	70	100
IPM D59XC-A	12	88	None	82	75	110
IPM D55XC-A	15	85	None	72	80	125
IPM D54XC-SR-D	10	90	AgCd (15 to 30% )	84	70	100
IPM D59XC-SR-D	12	88	AgCd (15 to 30%)	82	70	100
IPM D55XC-SR-D	15	85	AgCd (15 to 30%)	72	80	125
IPM D54XC-SB-Y/E	10	92	Ag (12%)	84	70	100
IPM D59XC-SB-Y/E	12	90	Ag (12%)	82	75	110
IPM D55XC-SB-Y/E	15	87	Ag (12%)	77	80	125

**Application**

Contacts are used in switching devices between 10A to 100A rated currents at low and medium voltage.

**Structure**

Globular CdO particles of Grain size upto 10 microns in Ag matrix.

Grades "A" & "Y" have depleted oxide-free zone in centre. Grade "E" & "D" do not have depleted zones.

**Forms of Supply:**

Wires, Solid or Bimetal Rivets, Strips, Sheets and Tips with or without brazing layer.