



# CONDUCTIVE ADHESIVES COMPARISON TABLE

Prod. No.	Description	Form	Service Temp.	Cure Temp.	Media (%)	Binder	Solvent	Mechanical Strength	Sheet Resistance @1mil (ohms/sq)	RoHs Compliant	APPLICATION					
											Mounting	Use in High Vacuum	SEM/EDS	EMI/RF Shield	Cleaving	Thermo-conductivity BTU-in/ft <sup>2</sup> -hr-F°
16058	Graphic Aerosol 283.5G	aerosol	200°C	ambient	graphite	thermo-plastic resin	isopropanol	medium	1200	X			X	X		
16051	PELCO® Conductive Graphite, 50g	paint	140°C	ambient	graphite 22%	gel	water	low	30	X	X	X	X			
16053	PELCO® Conductive Graphite, 30g	paint	binder 93°C service 203°C	ambient	graphite 20%	cellulose resin	isopropanol	low	1200	X	X	X	X			
16056	Electrodag 502, 30g	paint	-40°C to 260°C	ambient	carbon 12.6%	fluoroelastomer resin	MEK	low	130	X	X	X	X			
16050	PELCO® Conductive Carbon Glue, 30g	paint	-40° to 120°C	ambient	carbon 39%	acrylic	16023 acetone	high	47	X	X	X	X	X		
16046	Leit-C-Plast, 15g	putty	120°C	ambient	carbon	proprietary putty	ethanol	medium		X	X	X	X			
16022	PELCO® Gold Paste, 2g	paste	-200°C to 65°C	ambient	gold 75%	lacquer	16021 Gold/Silver Extender	medium	.02-.05			X	X	X		
16031,34	PELCO® Colloidal Silver, 30g or 15g	paint	200°C	ambient	silver 60%	lacquer	16021 Gold/Silver Extender	medium	.02-.04	X			X	X		
16032	PELCO® Colloidal Silver Paste, 25g	paint	200°C	ambient	silver 60%	lacquer	16021 Gold/Silver Extender	medium	.02-.05			X	X	X		
16035	Leitsilber 200, Silver Paint, 30g	paint	120°C	ambient	silver 45%	cellulose nitride lacquer	ethoxy propanol or 16021 Extender	low	.02-.04	X	X		X	X		
16062	PELCO® Conductive Silver Paint, 30g	paint	-40° to 120°C	ambient	73% silver	acrylic	16023 acetone	high	.07	X	X	X	X	X		
16040-30	Fast drying silver suspension, 30g	paint	105°C	ambient	silver 58%	thermoplastic resin	16048-25 Silver Susp. Diluent	medium	.015			X		X		
16026, 16026-10	PELCO® High Performance Ceramic Adhesive, 1PT, 50g	paste	cryogenic to 1650°C	2Hr/RT +2Hr/93°C	Al <sub>2</sub> O <sub>3</sub> >60%	inorganic silicate	water	medium	insulator			X				<6
16047	PELCO® High Performance Silver Paste, 50g	paste	cryogenic to 927°C	2Hr/RT +2Hr/93°C	silver 60%	inorganic silicate	water	medium	0.08			X	X	X		63.2
16057	PELCO® High Temperature Carbon Paste, 50g	paste	cryogenic to 2000°C	2Hr/RT +2Hr/93°C	carbon 50-60%	inorganic silicate	water	medium	4.6			X	X	X		6.9
16059, 16059-10	PELCO® High Performance Nickel Paste, 1 PT, 50g	paste	cryogenic to 538°C	2Hr/RT +2Hr/93°C	nickel >70%	inorganic silicate	water	medium	2.0			X	X	X		18
16055	PELCO® Conductive Nickel Paint, 30g	paint	-40° to 120°C	ambient	nickel 47-52%	acrylic	16023 acetone	high	0.7	X	X	X	X			
16014	Epo-Tek® H20E, Silver Conductive Epoxy, 28g	1:1 epoxy	200°C continuous, 400°C max	80°C to 175°C	silver 76%	epoxy low viscosity 2000cps	permanent bond	high	.16	X	X	X			X	13.9
16016	Epo-Tek® H22, Silver Conductive Epoxy, 28g	100:4.5 epoxy	200°C continuous, 300-400°C max	80°C to 175°C	silver 60%	epoxy high viscosity 20000cps	permanent bond	high	2	X	X	X			X	6.53
16043	Silver Conductive Epoxy, 14g	1:1 epoxy	-91°C to 100°C	25°C to 121°C	silver	epoxy	permanent bond	high	0.4			X			X	11
16017	Epo-Tek® H70E Thermally Conductive, 85g	1:1 epoxy	-55°C to 200°C continuous 200° Max	80°C to 175°C	Al <sub>2</sub> O <sub>3</sub>	epoxy 4,000 to 7,000 cPs	permanent bond	high	insulator	X		X				6.2
16027	832 Thermally Conductive Epoxy, 450g	1:1 epoxy	-30°C to 145°C 225°C Max	20°C to 65°C	Al <sub>2</sub> O <sub>3</sub>	epoxy 38,000 to 40,000 cPs	permanent bond	high	insulator	X		X				4.7
16041, 16042	Silver Conductive Pen, Standard, Standard Tip (1mm) / Micro Tip (0.7mm)	pen	205°C	ambient	silver 50%	polymer	MEK or 16023 acetone	high	0.02-0.05			X				
16044	Conducting Ink Pen	pen	100°C	ambient	graphite	ink	MEK or 16023 acetone	low	30-1000			X	X	X		
16052	Conductive Silver Grease	grease	-50°C to 200°C	N/A	silver	silicone grease	N/A	N/A	0.02-0.05	X						yes