Conduct-O-Bond
ECS2000

Technical Data Sheet
Conduct-o-Bond ECS2000
Electrically Conductive Adhesive

Conduct-o-Bond 2000 is a one part, silicone base, electrically conductive adhesive containing micron sized Nickel Coated Graphite particles as the conducting and shielding media. **ECS Conduct-o-Bond 2000** is a room temperature vulcanizing (RTV) and sealing material that cures in the presence of atmospheric moisture. This adhesive is specially formulated with a high quality non-corrosive silicone material that meets the requirements of MIL-A-46146, and will form a cured skin within 60 minutes after exposure to atmospheric moisture without the formation of corrosive by-products. This material will remain flexible and conductive and can be used in environments where temperatures range from –60 to +350° F without degradation of physical or electrical properties. **ECS Conduct-o-Bond 2000** is a thixotropic paste that can be applied to vertical surfaces without sagging. **ECS Conduct-o-Bond 2000** can be used for form-in-place conductive gasketing to attach shielding windows to frames or bezels, bonding conductive elastomer gaskets, and for providing EMI and environmental protection as a sealant.

Ask about other types of conductive adhesives offered by ECS...

Elastomer Adhesive	Silicone
Filler Material:	Nickel Coated Graphite
Color:	Dark Grey

Specific Gravity (+/-0.25)		2.010	ASTM D792
Hardness (Shore A) (+/-7)		65	ASTM D2240
Tensile Strength (PSI)	Min.	500	ASTM D412
Elongation (%)	Min.	100	ASTM D412
	Max.	300	
Peel Strength (PPI)	Min.	4.0	ASTM D1876
Lap Shear (PSI)	Min.	130	ASTM D1002
Upper Operating Temp. (^{0}F)	Max.	+350	
Lower Operating Temp (^{0}F)	Min.	-60	ASTM D1329
Compression Deflection (%)	Min.	2.5	ASTM D575
Tack Free	Min.	60	
Light Handling	Hrs.	12-24	
Full Cure	Hrs.	96-144	
Volume Resistivity, Ohm/cm	Max.	.100	MIL-DTL-83528 Para. 4.6.11
Shelf Life, From Date Of Shipment In Original Closed Container	Months	6	

East Coast Shielding
EMI SHIELDING PRODUCTS

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