



**ENGINEERED
CONDUCTIVE
MATERIALS**

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MEMBRANE SWITCHES | HEATERS | BIOSENSORS | FLEX CIRCUITS | SOLAR CELLS | SURFACE MOUNT

SOLAR MODULES

Product Designation	Description	Resistivity (ohm*cm)	Tg (°C) Tan Delta	Viscosity cP (5.0s-1)	Application Method
Conductive Ribbon/Stringer Attach Adhesives					
DB-1538-2	2 part, flexible, 2 min @180°C cure	2 x 10 ⁻⁴	50	11,000	Dispense
DB-1541-S	Best damp heat conductivity stability on Sn and tin-silver ribbon, flexible, high peel strength	2 x 10 ⁻⁴	8	22,000	Dispense
DB-1541-S3	Lower silver content (lower cost) than DB-1541-S with same reliability, conductivity	1 x 10 ⁻⁴	0	10,000	Dispense
DB-1548-1	High shear strength, moderate Tg Conductivity stability on tin and tin-silver ribbon	3 x 10 ⁻⁴	60	10,000	Dispense
CA-100	High Tg conductive adhesive developed for glass backed thin film stringing applications. Good damp heat stability on molybdenum	4 x 10 ⁻⁴	110	20,000	Dispense
Low Cost Conductive Adhesives					
DB-1590	Low cost, fast/snap cure. Designed for ribbon stringing for crystalline silicon or thin film cells	2 x 10 ⁻⁴	15	20,000	Dispense
DB-1548-LC	Low cost version of DB-1548 series	9x 10 ⁻⁴	62	30,000	Dispense
Low Temperature Cure Conductive Adhesives					
DB-1541-LTC	Low temperature cure version (100C) for organic PV and other temperature sensitive modules	2 x 10 ⁻⁴	50	17,000	Dispense
Conductive Adhesives for Back Contact Applications					
DB-1541	Flexible, high peel strength, Damp heat stability on tin and OSP treated copper. Designed to cure during EVA lamination	1 x 10 ⁻⁴	13	33,000	Stencil Print
DB-1588	Low cost, flexible, excellent damp heat performance on OSP treated copper. Same chemistry as DB-1541	4 x 10 ⁻⁴	5	30,000	Stencil Print
DB-1588-1	Lowest cost, flexible, excellent damp heat performance on OSP treated copper. Same chemistry as DB-1588	4 x 10 ⁻⁴	5	30,000	Stencil Print
Conductive Grid Inks					
CI-1031-7	High thixotropy high aspect ratio / fine line print	1.5 x 10 ⁻⁵	75	20,000	Screen Print
CI-1031-8	Low thixotropy Easiest to print	1.5 x 10 ⁻⁵	75	12,000	Screen Print
CI-1031-9	Low cost filler	2.5 x 10 ⁻⁵	80	17,000	Screen Print