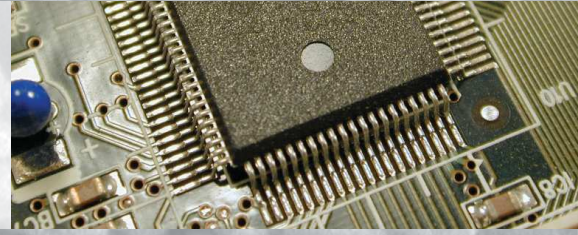


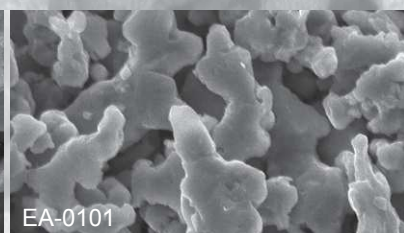
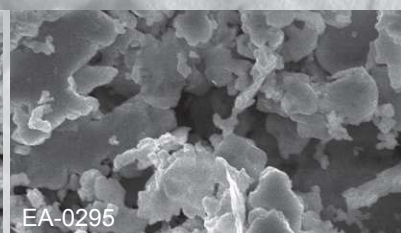
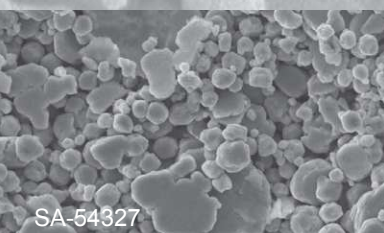
# MICROELECTRONIC ADHESIVES



Metalor produces a full range of products utilizing ammonia and caustic powder manufacturing chemistries. These high purity flakes have been specifically engineered to perform in critical high reliability applications such as: die attach, adhesives and thermal interface material markets.

## SILVER FLAKES

| Product Name | Lubricant Coating | Tap Density (g/cm <sup>3</sup> ) | Surface Area (m <sup>2</sup> /g) | Particle Size Distribution (µm) |      |     |     |
|--------------|-------------------|----------------------------------|----------------------------------|---------------------------------|------|-----|-----|
|              |                   |                                  |                                  | 100                             | 90   | 50  | 10  |
| LA-0113      | L                 | 4.9                              | 0.93                             | 37.0                            | 6.9  | 2.4 | 1.2 |
| SA-54327     | S                 | 5.0                              | 0.54                             | 20.0                            | 5.3  | 2.5 | 1.3 |
| EA-0018      | E                 | 4.6                              | 0.74                             | 21.0                            | 6.5  | 2.5 | 1.0 |
| SA-0201      | S                 | 4.7                              | 0.83                             | 21.0                            | 6.7  | 2.6 | 0.9 |
| AA-0909      | A                 | 3.7                              | 0.92                             | 24.0                            | 7.8  | 3.0 | 1.0 |
| SA-4434      | S                 | 3.9                              | 1.00                             | 18.0                            | 7.7  | 3.4 | 1.4 |
| EA-0030      | E                 | 4.5                              | 0.74                             | 29.0                            | 12.6 | 4.4 | 1.2 |
| SA-31812     | S                 | 5.3                              | 0.39                             | 23.0                            | 10.8 | 4.9 | 1.9 |
| EA-0295      | E                 | 4.3                              | 0.56                             | 32.0                            | 14.2 | 5.8 | 1.7 |
| EA-0015      | E                 | 4.1                              | 0.53                             | 31.0                            | 14.4 | 6.4 | 2.0 |
| EA-79613     | E                 | 5.3                              | 0.30                             | 30.0                            | 14.0 | 6.5 | 2.7 |
| EA-0101      | E                 | 5.2                              | 0.29                             | 33.0                            | 14.8 | 6.6 | 2.3 |
| EA-2871      | E                 | 3.1                              | 0.72                             | 32.0                            | 15.3 | 6.9 | 2.2 |
| AA-0707      | A                 | 3.4                              | 0.53                             | 42.0                            | 17.8 | 7.0 | 2.0 |



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