

## Product Overview: Encapsulants and Potting Materials

| Type                     | Grade                    | Cure Chemistry | Cured Property | Feature                                                                                 |  |
|--------------------------|--------------------------|----------------|----------------|-----------------------------------------------------------------------------------------|--|
| 1 Part Condensation Cure | RTV160                   | Alkoxy         | Rubber         | UL recognized flowable encapsulant.                                                     |  |
|                          | TSE398                   | Alkoxy         | Rubber         | Pourable coating / encapsulant. Mil Spec.                                               |  |
|                          | TSE399                   | Alkoxy         | Rubber         | Low viscosity potting / coating material. Mil Spec.                                     |  |
|                          | TSE3991                  | Alkoxy         | Rubber         | Low viscosity variant of TSE399.                                                        |  |
|                          | TSE3995                  | Alkoxy         | Rubber         | Low volatile variant of TSE399.                                                         |  |
|                          | TSE3996                  | Alkoxy         | Rubber         | Low volatile variant of TSE3991.                                                        |  |
|                          | XE11-A5133S              | Alkoxy         | Rubber         | Low volatile, UL recognized, thermally conductive coating & potting.                    |  |
|                          | RTV110 series            | Acetoxy        | Rubber         | General purpose coating / encapsulant. FDA, USDA, and NSF compliant. Mil Spec.          |  |
|                          | RTV116                   | Acetoxy        | Rubber         | Temperature-resistant flowable sealant. FDA, USDA, and NSF compliant. Mil Spec.         |  |
| 1 Part Heat Cure         | TSE325                   | Heat           | Rubber         | Flowable coating / encapsulant.                                                         |  |
|                          | TSE3250                  | Heat           | Rubber         | Flowable coating / encapsulant.                                                         |  |
|                          | TSE3253                  | Heat           | Rubber         | UL recognized coating / encapsulation.                                                  |  |
|                          | TSE325-B                 | Heat           | Rubber         | Flowable coating / encapsulant.                                                         |  |
|                          | TSE3051                  | Heat           | Gel            | Low viscosity potting gel.                                                              |  |
|                          | TSE3051-FR               | Heat           | Gel            | UL recognized variant of TSE3051.                                                       |  |
|                          | TSE3051-L                | Heat           | Gel            | Low penetration variant of TSE3051.                                                     |  |
|                          | TSE3051ST                | Heat           | Gel            | High strength variant of TSE3051.                                                       |  |
| 2 Part Room Temp. Cure   | TSE3053                  | Heat           | Gel            | High penetration gel.                                                                   |  |
|                          | RTV11                    | Condensation   | Rubber         | General purpose encapsulation and potting. FDA compliant.                               |  |
|                          | RTV12                    | Condensation   | Rubber         | Low viscosity, vibration-dampening soft rubber potting material w/ visual clarity.      |  |
|                          | RTV31                    | Condensation   | Rubber         | High temperature resistant potting, Excellent release properties.                       |  |
|                          | RTV41                    | Condensation   | Rubber         | General purpose sealant with excellent release properties. FDA compliant.               |  |
|                          | RTV511                   | Condensation   | Rubber         | Extreme low temperature-resistant potting. Excellent release properties.                |  |
|                          | RTV560                   | Condensation   | Rubber         | High-low temperature resistant potting. Excellent release properties.                   |  |
|                          | RTV566                   | Condensation   | Rubber         | Low volatile, high-low temperature-resistance.                                          |  |
|                          | RTV567                   | Condensation   | Rubber         | Low volatile, extreme low temperature-resistant potting. Release capability.            |  |
|                          | RTV60                    | Condensation   | Rubber         | Extreme high temperature-resistant coating / potting. Release capability.               |  |
|                          | RTV8111                  | Condensation   | Rubber         | General purpose potting / coating material. Mil Spec.                                   |  |
|                          | RTV8112                  | Condensation   | Rubber         | General purpose potting / coating material. Mil Spec.                                   |  |
|                          | RTV8262                  | Condensation   | Rubber         | High temperature-resistant coating / potting. Release capability and Mil Spec.          |  |
|                          | TSE350                   | Condensation   | Rubber         | Flowable potting / encapsulant with excellent release properties.                       |  |
|                          | TSE352                   | Condensation   | Rubber         | Flowable potting / encapsulant with excellent release properties.                       |  |
| 2 Part Heat Cure         | TSE3663                  | Condensation   | Rubber         | Flowable encapsulant / potting material.                                                |  |
|                          | TSE3664                  | Condensation   | Rubber         | UL recognized, flowable encapsulant / potting material.                                 |  |
|                          | RTV615                   | Heat           | Rubber         | High strength potting material. Fast cure at elevated temperatures.                     |  |
|                          | RTV6428                  | Heat           | Rubber         | UL recognized low-viscosity encapsulant. Fast cure at low temperatures.                 |  |
|                          | TSE3032                  | Heat           | Rubber         | Transparent potting / encapsulant with excellent release properties.                    |  |
|                          | TSE3033                  | Heat           | Rubber         | Low viscosity, transparent potting material. Fast cure at elevated temperatures.        |  |
|                          | TSE3330                  | Heat           | Rubber         | Thermally conductive encapsulant / coating.                                             |  |
|                          | TSE3331                  | Heat           | Rubber         | UL recognized, thermally conductive, coating / encapsulant.                             |  |
|                          | TSE3331K <sup>1</sup>    | Heat           | Rubber         | Low viscosity variant of TSE3331.                                                       |  |
|                          | TSE3331K EX <sup>1</sup> | Heat           | Rubber         | Low viscosity variant of TSE3331.                                                       |  |
|                          | TSE3337                  | Heat           | Rubber         | High-strength potting / encapsulant.                                                    |  |
|                          | TSE3423                  | Heat           | Rubber         | UL recognized, thermally conductive encapsulant. Low temperature cure.                  |  |
|                          | TSE3431                  | Heat           | Rubber         | UL recognized, thermally conductive potting material. Release capability.               |  |
|                          | TSE3431-H                | Heat           | Rubber         | UL recognized, thermally conductive potting material. Release capability.               |  |
|                          | XE14-B7892               | Heat           | Rubber         | UL recognized low-viscosity potting material. Low temperature cure. Release capability. |  |
|                          | YE5822                   | Heat           | Rubber         | Low viscosity potting material. Excellent release properties.                           |  |
|                          | RTV6126-D1               | Heat           | Gel            | Low viscosity potting gel with extreme fast cure at low temperatures.                   |  |
|                          | RTV6136-D1               | Heat           | Gel            | Low viscosity potting gel with fast cure at low temperatures.                           |  |
|                          | RTV6156                  | Heat           | Gel            | Extended low temperature performance potting gel.                                       |  |
|                          | RTV6186                  | Heat           | Gel            | High strength potting gel with extended pot life characteristics.                       |  |
|                          | TSE3062                  | Heat           | Gel            | Fast cure at low temperatures.                                                          |  |
|                          | TSE3065                  | Heat           | Gel            | Low volatile potting gel.                                                               |  |
|                          | TSE3070                  | Heat           | Gel            | High-elongation gel with low temperature cure.                                          |  |
|                          | TSE3080                  | Heat           | Gel            | Thermally conductive potting gel.                                                       |  |
|                          | TSE3081                  | Heat           | Gel            | Thermally conductive potting gel.                                                       |  |

<sup>1</sup> TSE3331K for Asia Pacific, TSE3331K EX for Europe and the Americas

|  | Performance   |                     |                   |                         |                          |                         |                  |                | Product<br>Detail |
|--|---------------|---------------------|-------------------|-------------------------|--------------------------|-------------------------|------------------|----------------|-------------------|
|  | Flowability   | Flame<br>Retardancy | Low<br>Volatility | Thermally<br>Conductive | High Temp.<br>Resistance | Low Temp.<br>Resistance | FDA<br>Compliant | MIL-Spec       |                   |
|  | Flowable      | UL94 HB             |                   |                         |                          |                         |                  |                | P. 15             |
|  | Flowable      |                     |                   |                         |                          |                         |                  | MIL-A-46146B   | P. 16             |
|  | Flowable      |                     |                   |                         |                          |                         |                  | MIL-A-46146B   | P. 16             |
|  | Flowable      |                     |                   |                         |                          |                         |                  | MIL-A-46146B   | P. 16             |
|  | Flowable      |                     | ●                 |                         |                          |                         |                  | MIL-A-46146B   | P. 16             |
|  | Flowable      |                     | ●                 |                         |                          |                         |                  | MIL-A-46146B   | P. 16             |
|  | Flowable      | UL94 V-1            | ●                 | ●                       |                          |                         |                  | MIL-A-46146B   | P. 15             |
|  | Flowable      |                     |                   |                         |                          |                         | ●                | MIL-A-46106B   | P. 19             |
|  | Flowable      |                     |                   |                         | ●                        |                         | ●                | MIL-A-46106B   | P. 19             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 22             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 22             |
|  | Semi-flowable | UL94 V-1            |                   |                         |                          |                         |                  |                | P. 22             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 22             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      | UL94 V-1            |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         |                          |                         | ●                |                | P. 24             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 25             |
|  | Flowable      |                     |                   |                         | ●                        |                         |                  |                | P. 24             |
|  | Flowable      |                     |                   |                         |                          |                         | ●                |                | P. 23             |
|  | Flowable      |                     |                   |                         |                          | ●                       |                  |                | P. 24             |
|  | Flowable      |                     |                   |                         | ●                        | ●                       |                  |                | P. 24             |
|  | Flowable      |                     | ●                 |                         | ●                        | ●                       |                  |                | P. 23             |
|  | Flowable      |                     | ●                 |                         |                          | ●                       |                  |                | P. 24             |
|  | Flowable      |                     |                   |                         | ●                        |                         |                  |                | P. 23             |
|  | Flowable      |                     |                   |                         |                          |                         |                  | MIL-PRF-23586F | P. 24             |
|  | Flowable      |                     |                   |                         |                          |                         |                  | MIL-PRF-23586F | P. 24             |
|  | Flowable      |                     |                   |                         | ●                        |                         |                  | MIL-PRF-23586F | P. 23             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 24             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 24             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 25             |
|  | Flowable      | UL94 V-0            |                   |                         |                          |                         |                  |                | P. 25             |
|  | Flowable      |                     |                   |                         |                          |                         | ●                |                | P. 27             |
|  | Flowable      | UL94 V-1            |                   |                         |                          |                         |                  |                | P. 28             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 27             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 28             |
|  | Flowable      |                     |                   | ●                       |                          |                         |                  |                | P. 27             |
|  | Flowable      | UL94 V-0            |                   | ●                       |                          |                         |                  |                | P. 27             |
|  | Flowable      | UL94 V-0            |                   | ●                       |                          |                         |                  |                | P. 27             |
|  | Flowable      | UL94 V-0            |                   | ●                       |                          |                         |                  |                | P. 27             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 26             |
|  | Flowable      | UL94 V-1            |                   | ●                       |                          |                         |                  |                | P. 26             |
|  | Flowable      | UL94 V-0            |                   | ●                       |                          |                         |                  |                | P. 27             |
|  | Flowable      | UL94 V-0            |                   | ●                       |                          |                         |                  |                | P. 28             |
|  | Flowable      | UL94 V-0            |                   |                         |                          |                         |                  |                | P. 28             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 28             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         | ●                        | ●                       |                  |                | P. 30             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 30             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     | ●                 |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   |                         |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   | ●                       |                          |                         |                  |                | P. 29             |
|  | Flowable      |                     |                   | ●                       |                          |                         |                  |                | P. 29             |