

Encapsulation and Potting Materials

| Product Code | Cure | Colour | Mixed Viscosity mPa.s | UL 94V-0 | Min Working Temp °C | Max Working Temp °C | Hardness Shore A | Pot Life mins @ 25°C | Cure Speed | | Thermal Conductivity W/mK |
|----------------------------------|--------------|-------------|-----------------------|----------|---------------------|---------------------|-------------------------------|----------------------|------------|------|---------------------------|
| | | | | | | | | | Hrs | Mins | |
| 1-Part Silicones | | | | | | | | | | | |
| AS1420 | Addition | Grey | 43000 | No | -50 | 260 | 67 | | | 30 | 1.38 |
| AS1421 | Addition | Grey | 140000 | No | -50 | 210 | 56 | | | 16 | 2.10 |
| AS1721 | Alkoxy | Black | 95000 | No | -50 | 200 | 27 | | <36 | | 0.20 |
| AS1723 | Alkoxy | Translucent | 72000 | No | -50 | 200 | 28 | | 24 | | 0.20 |
| AS1740 | Alkoxy | Translucent | 40000 | No | -50 | 200 | 27 | | <72 | | 0.18 |
| AS1820 | Acetone | White | 30000 | No | -50 | 220 | 30 | | 16 | | 0.20 |
| AS1821 | Acetone | Black | 20000 | No | -50 | 220 | 27 | | <24 | | 0.20 |
| 2-Part Silicone Compounds | | | | | | | | | | | |
| QLE1102 | Addition | Transparent | 2000 | No | -55 | 200 | 45 | 180 | <24 | 30 | 0.18 |
| QSi112 | Condensation | Transparent | 1100 | No | -55 | 220 | 19 | 120 | 16 | | 0.18 |
| QSi1216 | Addition | Transparent | 4500 | No | -55 | 204 | 40 | 240 | 20 | 60 | 0.18 |
| QSi1214 | Addition | Transparent | 6000 | No | -55 | 204 | 40 | 30 | 24 | 60 | 0.18 |
| QSi1218 | Addition | Transparent | 3500 | No | -55 | 204 | 55 | 360 | 24-48 | 60 | 0.18 |
| QSi1222 | Addition | Transparent | 2200 | No | -55 | 204 | 40 | 1440 | N/A | 120 | 0.18 |
| QSi1229 | Addition | Transparent | 5300 | No | -55 | 204 | 65 | 1440 | N/A | 120 | 0.18 |
| QSi1550 | Addition | Grey | 4000 | Yes | -55 | 275 | 55 | 60 | 24 | 7 | 0.37 |
| QSi1553 | Addition | Grey | 6000 | Yes | -55 | 260 | 45 | 100 | 24 | 7 | 0.68 |
| QSi1553LV | Addition | Grey | 4000 | Yes | -55 | 260 | 45 | 100 | 24 | 7 | 0.68 |
| QSi1556 | Addition | Grey | 1750 | Yes | -55 | 275 | 50 | 65 | 24 | 15 | 0.37 |
| QSi1573 | Addition | Grey | 5500 | Yes | -55 | 204 | 55 | 60 | 24 | 35 | 0.90 |
| SE2003 | Addition | Brick Red | 35000 | No | -50 | 250 | 80 | 120 | 24 | 30 | 1.27 |
| SE2005 | Condensation | White | 9000 | No | -50 | 220 | 40 | 60 | 24 | | 0.24 |
| SE2011 | Condensation | Black | 4000 | No | -50 | 220 | 23 | 20 | 2 | | 0.20 |
| SE3000 | Addition | Orange | 1950 | Yes | -70 | 250 | 40 | 50 | 4 | 6 | 1.17 |
| Silcoset 101 | Condensation | Red | 40000 | No | -60 | 250 | 61 | 60 | 4 | | 0.37 |
| Silcoset 105 | Condensation | White | 9000 | No | -50 | 220 | 45 | 50 | 24 | | 0.20 |
| Product Code | Cure | Colour | Mixed Viscosity mPa.s | UL 94V-0 | Min Working Temp °C | Max Working Temp °C | Penetration mm/10 or Shore 00 | Pot Life mins @ 25°C | Cure Speed | | Thermal Conductivity W/mK |
| Silicone Gels | | | | | | | | | | | |
| EGel3000 | Addition | Transparent | 630 | No | -55 | 200 | 2.5mm | >45 | <24 | <60 | |
| EGel3002 | Addition | Transparent | 2000 | No | -55 | 200 | 5.5mm | 22 | <24 | 30 | |
| EGel3003 | Addition | Translucent | 550 | No | -55 | 200 | 6.8mm | 1440 | N/A | 60 | |
| EGel3005 | Addition | Transparent | 630 | No | -55 | 200 | 6.5mm | 4 | 0.25 | 0.17 | |
| ALPA-GEL M | Addition | Transparent | 2000 | No | -50 | 200 | | 60 | 4 | | |
| TufGel330 | Addition | Transparent | 800 | No | -55 | 204 | 38 shore 00 | 60 | 20 | 60 | |
| TufGel336 | Addition | Black | 375 | No | -55 | 204 | 50 shore 00 | 6 | 1 | | |
| QGel311 | Addition | Transparent | 1000 | No | -55 | 204 | 7.0mm | 3 | 1.5 | 10 | |
| TufGel331 | Addition | Blue | 800 | No | -55 | 204 | 38 shore 00 | 45 | 20 | 60 | |
| EGel3100 | Addition | Grey | 29000 | No | -55 | 200 | 45 shore 00 | 60 | 8 | 30 | 1.55 |

Thermal Transfer Materials

| Product Code | Mixed Viscosity mPa.s | Rheology | Colour | RTV or Heat Cure | Min Working Temp °C | Max Working Temp °C | Hardness Shore A | Thermal Conductivity W/mK | |
|--|-----------------------|----------------|-----------|--------------------------|---------------------|---------------------|------------------|---------------------------|------|
| 1&2 Part Adhesive Sealants | | | | | | | | | |
| AS1420 | 43000 | Flowable | Grey | Heat Cured | -50 | 260 | 67 | 1.38 | |
| AS1421 | 140000 | Paste | Grey | Heat Cured | -50 | 210 | 56 | 2.10 | |
| AS1607 | | Paste | White | RTV | -50 | 220 | 70 | 1.58 | |
| AS1701 | | Paste | Black | RTV | -50 | 220 | 52 | 0.60 | |
| AS2701 | | Paste | Grey | RTV | -50 | 200 | 65 | 1.55 | |
| AS1802 | 350000 | Self Level | Grey | RTV | -50 | 220 | 67 | 2.30 | |
| AS1803 | 350000 | Self Level | White | RTV | -50 | 220 | 65 | 1.55 | |
| 2-Part Potting & Encapsulants | | | | | | | | | |
| QSi1553 | 6000 | Liquid | Grey | Heat Accelerated RTV | -55 | 260 | 45 | 0.68 | |
| QSi1553LV | 4000 | Liquid | Grey | Heat Accelerated RTV | -55 | 260 | 45 | 0.68 | |
| QSi1573 | 6000 | Viscous Liquid | Grey | Heat Accelerated RTV | -55 | 204 | 65 | 0.90 | |
| EGel3100 | 29000 | Liquid | Grey | Heat Accelerated RTV Gel | -55 | 200 | Gel | 1.55 | |
| SE2003 | 35000 | Viscous Liquid | Brick Red | Heat Accelerated RTV | -50 | 250 | 80 | 1.27 | |
| SE3000 | 1950 | Liquid | Orange | Heat Accelerated RTV | -70 | 250 | 40 | 1.17 | |
| 1-Part Non Setting Compounds | | | | | | | | | |
| SG500 | | Paste | Paste | White | Non Curing | -50 | 150 | N/A | 0.77 |
| SG502 | | Paste | Paste | White | Non Curing | -50 | 200 | N/A | 3.00 |

Coatings & Cleaners

| Product Code | Description | Solvented | Colour | Viscosity | Cure | Min Working Temp | Max Working Temp | Thinner |
|--------------|----------------------------|-----------|-------------|-----------|---------|------------------|------------------|----------|
| ACC11 | Acrylic Conformal Coating | Yes | Clear | 250-350 | Air Dry | -55 | 130 | ACC31 |
| ACC15 | Silicone Conformal Coating | No | Translucent | 1180 | RTV | -55 | 200 | ACC34 |
| ACC17 | Silicone Conformal Coating | No | Pale Yellow | 400 | RTV | -55 | 200 | ACC34UV |
| QLE1102 | Silicone Coating | No | Transparent | 2000 | RTV | -55 | 200 | ACC34 UV |
| AS1726 | Silicone Coating | No | Translucent | 3100 | RTV | -62 | 200 | N/A |
| AS1740 | Silicone Coating | No | Translucent | 40000 | RTV | -62 | 200 | N/A |
| AS1723 | Silicone Coating | No | Translucent | 72000 | RTV | -50 | 200 | N/A |
| ACC13 | Synthetic Peelable Mask | No | Pink | 29000 | Air Dry | | | Water |

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