

Encapsulation and Potting Materials Thermal Transfer Materials

Encapsulation and Potting Materials

Product Code	Cure	Colour	Mixed Viscosity mPas	UL 94V-0	Min Working Temp -°C	Max Working Temp +°C	Hardness Shore A	Pot Life mins @ 25°C	Cure Speed Hrs@25°C	Cure Speed Mins 100°C	Thermal Conductivity W/mK
1-Part Silicones											
AS1420	Addition	Grey	43000	No	-50	260	67			30	1.38
AS1820	Acetone	White	30000	No	-50	220	30		16		0.20
AS1821	Acetone	Black	20000	No	-50	220	27		<24		0.20
Q-Sil 1000	Addition	Red	37000	No	-50	300	43			65	0.31
Q-Sil 1001	Addition	Beige	11000	No	-50	230	35			65	0.21
2-Part Silicone Compounds											
QSi112	Condensation	Transparent	1100	No	-50	220	19	120	16		0.18
QSi1216	Addition	Transparent	4500	No	-60	204	40	240	20	60	0.18
QSi1218	Addition	Transparent	3000	No	-60	200	59	360	24-48	60	0.18
QSi1430	Condensation	Grey	25000	Yes	-55	250	33	14	5		0.30
QSi1550	Addition	Grey	6000	Yes	-50	275	55	30	24	7	0.37
QSi1550SB	Addition	Grey	4000	Yes	-50	275	55	480	24	30	0.37
QSi1553	Addition	Grey	4500	Yes	-50	260	32	180	24	7	0.68
QSi1556	Addition	Grey	1700	No	-50	275	46	65	24	15	0.32
QSi1573	Addition	Grey	6000	Yes	-50	200	65	60	24	35	0.90
QSi1940	Condensation	White	12000	No	-115	200	40	45	24		0.20
QSi1960	Condensation	Red	30000	No	-115	260	55	60	24		0.30
SE2003	Addition	Brick Red	35000	No	-50	250	80	120	24	30	1.27
SE2004	Addition	Pink	60000	No	-50	250	53	24	168	60	0.62
SE2005	Condensation	White	9000	No	-50	220	40	60	24		0.24
SE2006	Condensation	Black	6000	No	-50	180	10	45	24		
SE2007	Addition	Dark Grey	2250	No	-50	250	48	120	<24		0.50
SE2008	Addition	Black	2200	No	-50	200	48	60	9	15	0.50
Silcoset 101	Condensation	Red	40000	No	-60	250	61	60	4		0.37
Silicone Gels											
QGel300	Addition	Transparent	1000	No	-55	200		120	24	60	
QGel301	Addition	Transparent	2000	No	-55	200		15	1	10	
QGel310	Addition	Transparent	1000	No	-55	200		45	20	60	
QGel311	Addition	Transparent	1000	No	-55	200		3	1.5	10	
QGel320	Addition	Transparent	7000	No	-55	200		960	168	60	
QGel330	Addition	Transparent	675	No	-55	200		45	20	60	
QGel331	Addition	Blue	750	No	-55	200		45	20	60	

Thermal Transfer and Materials

Product Code	RTV or Heat cure	Rheology	Colour	Viscosity mPas	Min Working Temp -°C	Max Working Temp +°C	Hardness Shore A	Thermal Conductivity W/mK
1-Part Adhesive Sealants								
AS1420	Heat Cured	Flowable	Grey	43000	-50	260	67	1.38
AS1607	RTV	Paste	White		-50	220	70	1.58
AS1701	RTV	Paste	Black		-50	220	52	0.60
AS1802	RTV	Self Level	Grey	350000	-50	220	67	2.30
AS1803	RTV	Self Level	White	350000	-50	220	65	1.55
AS1806	RTV	Paste	Black		-50	220	65	1.55
AS1807	RTV	Flowable Paste	White	95000	-50	220	68	1.70
AS1808	RTV	Paste	Pink		-50	220	78	1.79
AS1809	RTV	Paste	Grey	350000	-50	220	68	1.55
2-Part Potting & Encapsulants								
QSi1553	Heat Accelerated RTV	Liquid	Grey	4500	-50	260	32	0.68
QSi1573	Heat Accelerated RTV	Viscous Liquid	Grey	6000	-50	200	65	0.90
SE2003	Heat Accelerated RTV	Viscous Liquid	Brick Red	35000	-50	250	80	1.27
SE2004	Heat Cured	Viscous Liquid	Pink	60000	-50	250	53	0.62
SE2007	Heat Accelerated RTV	Viscous Liquid	Dark Grey	2250	-50	250	48	0.50
SE2008	Heat Accelerated RTV	Viscous Liquid	Black	2200	-50	200	48	0.50
1-Part Non Setting Compounds								
SG500	Non Curing	Paste	White	Paste	-50	150	0	0.77
SG501	Non Curing	Paste	White	Paste	-55	180	0	1.58
SG502	Non Curing	Paste	White	Paste	-50	200	0	3.00

Silicone Greases, Coatings, Cleaners

Silicone Greases & Compounds

Product	Description	Properties	Application
SGM494	High Performance Non-melting Non-melting	Water Potable, MOD approved XG250 Non-melting	Plastic / Rubber water fittings. Aerospace lubricant, Mould release, Insulation and protection
SGM496	Silicone Grease, High voltage insulator	Excellent dielectric properties	Protection of high voltage insulators
SG500	Heat Sink Compound	Thermal conductivity 0.77 W/mK	Electronics as an aid to thermal transfer
SG501	Heat Sink Compound	High thermal conductivity, High viscosity, work stable 1.58 W/mK	Electronics as an aid to thermal transfer
SG502	Heat Sink Compound	Very High thermal conductivity, High viscosity, work stable. 3.00 W/mK	Electronics as an aid to thermal transfer

Coatings

Product Code	Description	Solvented	Cure	Colour	Viscosity mPas	Min Working Temp -°C	Max Working Temp +°C	Coating Thinner
ACC11	Acrylic conformal coating	Yes	Air Dry	Clear	250-350	-55	130	ACC31
ACC12	Polyurethane conformal coating	Yes	Air Dry	Clear	200	-55	130	ACC32
ACC14UV	Silicone Conformal Coating	No	RTV	Clear	250	-50	200	ACC34
QLE1050	Silicone Conformal Coating	No	Heat Cured	Clear	500	-60	204	100% Solids
QLE1100	Silicone Conformal Coating	No	Heat Cured	Clear	1000	-60	204	100% Solids
ACC13	Synthetic peelable mask	No	Air Dry	Pink	29000			Water

Cleaners

Product Code	Product	Removes					Compatibility	
		Flux Residue	Uncured SMT	Adhesive Grease & Oil	Silicones	Coatings	Plastics & Painted Surfaces	Untreated Metals
ACC 50	PCB Cleaner in aerosol	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACC 51	PCB Cleaner in bulk	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACC 52	Degreaser in aerosol	Yes	Yes	Yes	Yes	No	Test	Yes
ACC 53	Degreaser in bulk	Yes	Yes	Yes	Yes	No	Test	Yes
ACC 70	Aqueous PCB Cleaner	Yes	Yes	Yes	Yes	No	Yes	Test
ACC 71	Aqueous PCB Cleaner Conc	Yes	Yes	Yes	Yes	No	Yes	Test
ACC 72	Aqueous Foaming Cleaner	Yes	Yes	Yes	Yes	No	Yes	Test

