

# Encapsulation and Potting Materials Thermal Transfer Materials



## Encapsulation and Potting Materials

Product Code	Cure	Colour	Mixed Viscosity mPa.s	UL Listed	Min Working Temp °C	Max Working Temp °C	Hardness Shore A	Pot Life mins @ 25°C	Cure Speed		Thermal Conductivity W/mK
									Hrs 25°C	Mins 100°C	
<b>1-Part Silicones</b>											
AS1420	Addition	Grey	43000	No	-50	260	67			30	1.38
AS1421	Addition	Grey	140000	Yes	-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
AS1724	Alkoxy	Translucent	44000	No	-62	200	19		24		0.20
AS1725	Alkoxy	Black	47000	No	-62	250	19		24		0.20
AS1740	Alkoxy	Translucent	40000	Yes	-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
<b>2-Part Silicone Compounds</b>											
QLE1102	Addition	Transparent	2000	No	-50	200	45	180	<24	30	0.18
QSi112	Condensation	Transparent	1100	No	-50	220	19	120	16		0.18
QSi216	Addition	Transparent	4500	No	-60	204	40	240	20	60	0.18
QSi218	Addition	Transparent	3000	No	-60	200	59	360	24-48	60	0.18
QSi222	Addition	Transparent	2200	No	-60	200	40	1440	N/A	120	0.18
QSi229	Addition	Transparent	2900	No	-60	200	65		N/A	120	0.18
QSi550	Addition	Grey	6000	Yes	-50	275	55	30	24	7	0.37
QSi553	Addition	Grey	4500	Yes	-50	260	32	180	24	7	0.68
QSi556	Addition	Grey	1700	Yes	-50	275	46	65	24	15	0.32
QSi573	Addition	Grey	6000	No	-50	200	65	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	Yes	-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
<b>Silicone Gels</b>											
EGel3000	Addition	Transparent	630	No	-55	200		>45	<24	<60	
EGel3002	Addition	Transparent	2000	No	-55	200		22	<24	30	
EGel3003	Addition	Translucent	550	No	-55	200		1440	N/A	60	
EGel3004	Addition	Translucent	2650	No	-50	200		10	0.5		
EGel3005	Addition	Transparent	630	No	-50	200		4	0.25	0.17	
QGel330	Addition	Transparent	675	No	-55	200		45	20	60	
QGel331	Addition	Blue	750	No	-55	200		45	20	60	
EGel3100	Addition	Grey	29000	No	-55	200		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
<b>1 &amp; 2-Part Adhesive Sealants</b>								
AS1406	100000	Pasty Liquid	Grey	Heat Cured	-60	250	72	3.00
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
<b>2-Part Potting &amp; Encapsulants</b>								
QSi553	4500	Liquid	Grey	Heat Accelerated RTV	-50	260	32	0.68
QSi573	6000	Viscous Liquid	Grey	Heat Accelerated RTV	-50	200	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
<b>1-Part Non Setting Compounds</b>								
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 °C	Max Working Temp °C	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
ACC16	Silicone Conformal Coating	No	Translucent	500	RTV	-55	200	ACC34
ACC17	Silicone Conformal Coating	No	Pale Yellow	400	RTV	-55	200	ACC34UV
AS1726	Silicone Coating	No	Translucent	3100	RTV	-62	200	N/A
AS1740	Silicone Coating	No	Translucent	40000	RTV	-50	200	N/A
AS1723	Silicone Coating	No	Translucent	72000	RTV	-50	200	N/A
ACC13	Synthetic Peelable Mask	No	Pink	29000	Air Dry			Water
ACC50	PCB Cleaner in aerosol	Yes						

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