

THERMAL INTERFACE MATERIALS



Thermally Conductive Potting Compounds

Product	Mixed Viscosity Mpa.s	Colour	Cure	Min Working Temp °C	Max Working Temp °C	Hardness Shore A	Thermal Conductivity W/mK	UL Rating	Pot Life/Tack Free Time, mins at 25°C	Cure Speed @25°C, hrs	Cure Speed @100°C, mins
QSIL 550	4000	Gray	2 part Addition, RTV or heat cure	-55	275	55	0.37	UL 94 V-0	60	24	7
Silcoset 101	40000	Red	2 part Condensation	-60	250	61	0.37	None	60	24	
QSIL 553 LV	4000	Gray	2 part Addition, RTV or heat cure	-55	240	45	0.65	UL 94 V-0	100	24	7
QSIL 553	6000	Gray	2 part Addition, RTV or heat cure	-55	240	45	0.68	UL 94 V-0	100	24	7
QSIL 573	5500	Gray	2 part Addition, RTV or heat cure	-55	204	55	1.19	None	60	24	35
SE3000	1950	Orange	2 part Addition, RTV or heat cure	-70	250	40	1.2	UL 94 V-0	50	4	6
SE2003	35000	Brick Red	2 part Addition, RTV or heat cure	-50	250	80	1.27	None	120	24	30
AS1420	43000	Gray	1 part Heat Cure, Addition	-50	260	67	1.38	None			30
AS1421	140000	Gray	1 part Heat Cure, Addition	-50	210	56	2.1	UL 94 V-0			16

Thermally Conductive Adhesives and Sealants

Product	Mixed Viscosity Mpa.s	Colour	Cure	Min Working Temp °C	Max Working Temp °C	Hardness Shore A	T C W/mK	UL Rating	Tack Free Time, mins at 25°C	Cure Speed @25°C, hrs	Cure Speed @100°C, mins
AS1406	100000	Grey	1 part Heat Cured Addition	-60	250	72	3	None			60
AS1420	43000	Grey	1 part Heat Cured Addition	-50	260	67	1.38	None			30
AS1421	140000	Grey	1 part Heat Cured Addition	-50	210	56	2.1	UL 94 V-0			16
AS1701	(paste)	Black	1 part RTV Alkoxy	-50	220	52	0.6	None	3	24	
AS1706	(paste)	White	1 part RTV Alkoxy	-50	200	78	1.6	UL 94 V-0	8	48	
AS1707	(paste)	Grey	1 part RTV Alkoxy	-65	230	84	3.27	UL 94 V-0	10	48	
AS1802	350000	Grey	1 part RTV Acetone	-50	220	67	2.3	None	4	8	
AS1802 BLACK	350000	Black	1 part RTV Acetone	-50	220	67	2.3	UL 94 V-0	4	8	
AS1803	350000	White	1 part RTV Acetone	-50	220	65	1.55	UL 94 HB	4	8	

Thermally Conductive Greases

Product	Rheology	Colour	Cure	Min Working Temp °C	Max Working Temp °C	T C W/mK	UL Rating	Bleed, %	Viscosity Mpa.s	Dielectric Strength (Kv/mm)	Vol Res (ohms cm)
SG500	Paste	White	1 part Non Curing	-50	150	0.77	None	0.2	240,000	10.92	1.1E+15