



# SILCOTHERM® Thermal Interface Materials



## Gap Fillers

Product	Mixed Viscosity mPa.s	Mix Ratio	Colour	RTV or Heat Cure	Min Working Temp °C	Max Working Temp °C	Hardness Shore '00'	Thermal Conductivity W/mK
<b>2-Part 1:1 Soft Silicone Compounds</b>								
SE2010	320000	1:1	Black	RTV accelerated with Heat	-60	200	50	1.70
<i>Feature:</i>	Thixotropic paste, UL 94 V-0 and RTI @:150°C. Cures to very soft rubber offering reduced thermal stress on delicate components. Controlled volatile content							
SE2020	174000	1:1	Black	RTV accelerated with Heat	-60	200	62	2.00
<i>Feature:</i>	Semi flowable paste, ideal for manual extrusion and application. Controlled volatile content							
SE2021	635000	1:1	Black	RTV accelerated with Heat	-60	200	62	2.00
<i>Feature:</i>	Thixotropic paste, resistance to slumping, ideal for high build applications, thermally conductive gaskets or vertical applications. Controlled volatile content							

## Encapsulation and Potting Materials

Product	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 25°C	Mins 100°C	
<b>1-Part Silicones Compounds</b>											
AS1420	Addition	Grey	43000	No	-50	260	67			30	1.38
AS1421	Addition	Grey	140000	No	-50	210	56			16	2.10
<b>2-Part Silicone Compounds</b>											
QSI1553	Addition	Grey	4500	Yes	-50	260	32	180	24	7	0.68
<i>Feature:</i>	Cures to form a soft rubber, ideal for use with materials of differing CTE's which may cause stress fractures in components										
QSI1573	Addition	Grey	6000	Yes	-50	200	65	60	24	35	0.90
SE2003	Addition	Brick Red	35000	No	-50	250	80	120	24	30	1.27
<b>Silicone Gels</b>											
EGel3100	Addition	Grey	29000	No	-55	200		60	8	30	1.55

## Adhesives

Product	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 Part Adhesive Sealants</b>								
AS1420	43000	Flowable	Grey	Heat Cured	-50	260	67	1.38
AS1421	140000	Paste	Grey	Heat Cured	-50	210	56	2.10
AS1405		Paste	Grey	Heat Cured	-50	210	56	3.89
AS1607		Paste	White	RTV	-50	220	70	1.58
AS1701		Paste	Black	RTV	-50	220	52	0.60
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 Adhesive Sealants (10:1 Mix Ratio)</b>								
AS2701		Paste	Grey	RTV	-50	200	65	1.55
<i>Feature:</i>	Fast room temperature cure							

## Heat Transfer Paste

Product	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-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

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