



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
2-Part 1:1 Soft Silicone Compounds								
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 a very soft rubber offering reduced thermal stress on delicate components. Controlled volatile content								

Encapsulation and Potting Materials

Product	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	
1-Part Silicones Compounds											
AS1420	Addition	Grey	43000	No	-50	260	67			30	1.38
AS1421	Addition	Grey	140000	Yes	-50	210	56			16	2.10
2-Part Silicone Compounds											
QSi1553	Addition	Grey	6000	Yes	-55	260	45	100	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	No	-50	200	65	180	24	35	1.19
SE2003	Addition	Brick Red	35000	No	-50	250	80	120	24	30	1.27
SE3000	Addition	Orange	1950	Yes	-70	250	40	50	4	6	1.17
Silicone Gels											
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
1 Part Adhesive Sealants								
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
AS1802	350000	Self levelling	Grey	RTV	-50	220	67	2.30
AS1802 Black	350000	Self levelling	Black	RTV	-50	220	67	2.30
<i>Feature:</i> UL94 V-0 approved file No.E334038								
AS1803	350000	Self levelling	White	RTV	-50	220	65	1.55
2 Part Adhesive Sealants (10:1 Mix Ratio)								
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
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

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