



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 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	
1-Part Silicones Compounds											
AS1420	Addition	Grey	43000	No	-50	260	67			30	1.38
AS1421	Addition	Grey	140000	No	-50	210	56			16	2.10
2-Part Silicone Compounds											
QSI553	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											
QSI573	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
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								
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
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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