

Encapsulation and Potting Materials

Thermal Transfer Materials



Encapsulation and Potting Materials

Product Code	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											
AS1420	Addition	Grey	43000	No	-50	260	67			30	1.38
AS1421	Addition	Grey	140000	No	-50	210	56			16	2.10
AS1723	Alkoxy	Translucent	72000	No	-50	200	28		24		0.20
AS1740	Alkoxy	Translucent	40000	No	-50	200	27		<72		0.18
AS1821	Acetone	Black	20000	No	-50	220	27		<24		0.20
2-Part Silicone Compounds											
QLE1102	Addition	Transparent	2000	No	-55	200	45	180	<24	30	0.18
QSi112	Condensation	Transparent	1100	No	-55	220	19	120	16		0.18
QSi1216	Addition	Transparent	4500	No	-55	204	40	240	20	60	0.18
QSi1214	Addition	Transparent	6000	No	-55	204	40	30	24	60	0.18
QSi1229	Addition	Transparent	5300	No	-55	204	65	1440	N/A	120	0.18
QSi1550	Addition	Grey	4000	Yes	-55	275	55	60	24	7	0.37
QSi1553	Addition	Grey	6000	Yes	-55	260	45	100	24	7	0.68
QSi1553LV	Addition	Grey	4000	Yes	-55	260	45	100	24	7	0.68
QSi1573	Addition	Grey	5500	Yes	-55	204	55	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	No	-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	24		0.37
Silcoset 105	Condensation	White	9000	No	-50	220	45	50	24		0.20
Product Code	Cure	Colour	Mixed Viscosity mPa.s	UL 94V-0	Min Working Temp °C	Max Working Temp °C	Penetration mm/10 or Shore 00	Pot Life mins @ 25°C	Cure Speed		Thermal Conductivity W/mK
									Hrs 25°C	Mins 100°C	
Silicone Gels											
EGel3000	Addition	Transparent	630	No	-55	200	2.5mm	>45	<24	<60	
EGel3002	Addition	Transparent	2000	No	-55	200	5.5mm	22	<24	30	
EGel3003	Addition	Translucent	550	No	-55	200	6.8mm	1440	N/A	60	
ALPA-GEL M	Addition	Transparent	2000	No	-50	200		60	4		
TufGel330	Addition	Transparent	800	No	-55	204	38 shore 00	60	20	60	
TufGel336	Addition	Black	375	No	-55	204	50 shore 00	6	1		
QGel311	Addition	Transparent	1000	No	-55	204	7.0mm	3	1.5	10	
TufGel331	Addition	Blue	800	No	-55	204	38 shore 00	45	20	60	

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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
1&2 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
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 Potting & Encapsulants								
QSi1553	6000	Liquid	Grey	Heat Accelerated RTV	-55	260	45	0.68
QSi1553LV	4000	Liquid	Grey	Heat Accelerated RTV	-55	260	45	0.68
QSi1573	6000	Viscous Liquid	Grey	Heat Accelerated RTV	-55	204	65	0.90
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
1-Part Non Setting Compounds								
SG500	Paste	Paste	White	Non Curing	-50	150	N/A	0.77

Coatings & Cleaners

Product Code	Description	Solvented	Colour	Viscosity	Cure	Min Working Temp	Max Working Temp	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
ACC17	Silicone Conformal Coating	No	Pale Yellow	400	RTV	-55	200	ACC34UV
QLE1102	Silicone Coating	No	Transparent	2000	RTV	-55	200	ACC34 UV
AS1740	Silicone Coating	No	Translucent	40000	RTV	-62	200	N/A
AS1723	Silicone Coating	No	Translucent	72000	RTV	-50	200	N/A
ACC13	Synthetic Peelable Mask	No	Pink	29000	Air Dry			Water

We are CHT, Smart Chemistry with Character.
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