

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				0.20
AS1740	Alkoxy	Translucent	40000	No	-50	200	27		24	<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
QSii12	Condensation	Transparent	1100	No	-55	220	19	120	16		0.18
QSii216	Addition	Transparent	4500	No	-55	204	40	240	20	60	0.18
QSii214	Addition	Transparent	6000	No	-55	204	40	30	24	60	0.18
QSii229	Addition	Transparent	5300	No	-55	204	65	1440	N/A	120	0.18
QSii550	Addition	Grey	4000	Yes	-55	275	55	60	24	7	0.37
QSii553	Addition	Grey	6000	Yes	-55	260	45	100	24	7	0.68
QSii553LV	Addition	Grey	4000	Yes	-55	260	45	100	24	7	0.68
QSii573	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	

Thermal Transfer Materials

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								
QSii553	6000	Liquid	Grey	Heat Accelerated RTV	-55	260	45	0.68
QSii553LV	4000	Liquid	Grey	Heat Accelerated RTV	-55	260	45	0.68
QSii573	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. Together with ICM, ACC and QSi we are the most customer centric specialty silicones expert. We are committed to finding your individual solution.

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