

Two-component thermal gap filler



Product Features

- Curable at room temperature or elevated temperature
- Excellent interfacial wetting performance
- Excellent aging resistance
- Good storage stability



Product Brief

SDG Series

Items	SDG020	SDG020LW	SDG040	SDG060	SDG080	SDG100	SDG120
Pre-cured properties							
A/B Appearance	Blue / Yellow	White / Red	Light gray / Blue	Light red / Light gray	Red / Gray	Red / Gray	Red / Gray
Mixed Viscosity (Pa·s)	400	130	420	420	540	400	430
Working Time (min)	60	90	60	120	120	60	120
Cured properties							
Hardness (Shore OO)	50	55	65	60	65	65	67
Density (g/cm ³)	2.6	2.0	3.1	3.3	3.3	3.1	3.2
Volume Resistivity (ohm-cm)	1*10 ¹²	1*10 ¹²	1*10 ¹³	1*10 ¹²	1*10 ¹²	1*10 ¹²	1*10 ¹²
Dielectric Strength (kV/mm)	12	12	13	11	7	9	6
Thermal Conductivity (W/(m·K))	2.0	2.0	4.0	6.0	8.0	10.0	12.0
Flame retardant	V-0 eq	V-0 eq	V-0 eq	V-0 eq	V-0 eq	V-0 eq	V-0 eq

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*The above products are standard items for market demand, customized products are also available.

One-component thermal gel



Product Features

- One-component, pre-cured
- Excellent interfacial wetting performance
- Effectively buffers aging and expansion of components
- Automated dispensing
- Repairable



Product Brief

STG Series

Items	STG035	STG040	STG060	STG080	STG100	STG120
Product Characteristics						
Appearance	Blue	Blue	Red	Blue	Off-white	Off-white
Viscosity(Pa·s)	1500	1500	1200	1200	1400	1500
Density (g/cm ³)	3.2	3.2	3.3	3.3	3.3	3.3
BLT(μm)	80	150	150	200	200	200
Volume Resistivity (ohm-cm)	1*10 ¹²					
Dielectric Strength (kV/mm)	6	6	5	5	5	5
Thermal Resistance (°C·cm ² /W)	0.30	0.34	0.23	0.35	0.29	0.26
Thermal Conductivity (W/(m·K))	3.5	4.0	6.0	8.0	10.0	12.0
Dispensing Rate (g/min)	65	25	16	18	16	16

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Thermal grease



Product Features

- Low viscosity with excellent thixotropy, suitable for screen printing and steel plate printing
- Low thermal resistance and low volatility
- Solvent-free
- Excellent electrical insulation and aging resistance
- Good stability for room temperature storage



Product Brief

SG Series

Items	SG010	SG020	SG030	SG031	SG060
Product Characteristics					
Appearance	White	White	White	White	Gray
Viscosity(Pa·s)	300	300	140	100	400
Density (g/cm ³)	2.4	4.0	3.2	3.4	3.2
BLT(μm)	35	10	70	10	60
Volume Resistivity (ohm-cm)	1*10 ¹²				
Dielectric Strength (kV/mm)	6	6	5	5	5
Thermal Resistance (°C·cm ² /W)	0.248	0.100	0.220	0.060	0.140
Thermal Conductivity (W/(m·K))	1	2	3	3	6
Operating temperature (°C)	-40~180	-40~180	-40~180	-40~180	-40~180

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Potting



Product Features

- Low viscosity, excellent processability
- Good anti-settling property
- Curable at room temperature or by heating
- Low shrinkage and good adhesion
- Good weather resistance



Product Brief

SP、ETP Series

Items	Viscosity (cps)	Density (g/cm ³)	Working Time (min)	Hardness (Shore A)	Volume mixing ratio	Thermal Conductivity (W/(m·K))	Operating temperature (°C)
Silicone Series							
SP009	1000-4000	1.6	30	35	1:1	1.0	-40~180
SP020	3000-6000	2.6	30	25	1:1	2.0	-40~180
SP030	7000-10000	3.0	30	25	1:1	3.0	-40~180
SP040	11000-15000	3.3	30	65 (00)	1:1	4.0	-40~180
SP001LD	1600-2600	0.6	14	35	1:1	Non-thermal	-40~85
Epoxy Series							
				(Shore D)	Weight mixing ratio		
ETP106	1000-3000	1.53	120	82	100:13	0.6	-40~125
ETP310	4000-7000	1.60	180	87	One-component	1.0	-40~150
ETP510	6000-10000	2.11	240	90	1:1	1.0	-40~180
ETP520	9000-15000	2.85	240	92	1:1	2.0	-40~200
EP505	3000-8000	1.80	80°C 1h + 120°C 2h + 150°C 2h	90	One-component	Non-thermal	-40~230
EP560	6000-12000	1.08	120	70	2:1	Non-thermal	-40~125
Hybrid system							
				(Shore A)			
HP130	5000-10000	0.99	UV & moisture dual-cure	25	One-component	Non-thermal	-40~150

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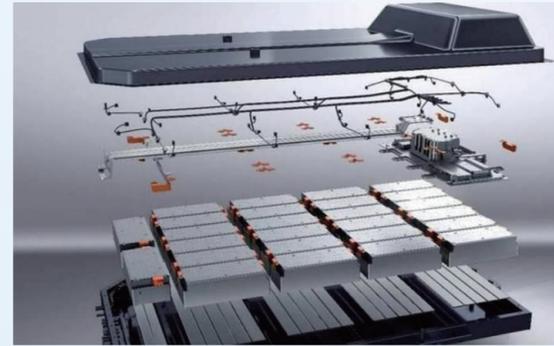
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Structural adhesive



Product Features

- High bonding strength and high elongation at break
- Low clamping pressure required
- Low viscosity, easy dispensing and reduced equipment wear
- Good aging resistance



Product Brief

UB、EB Series

Items	Viscosity (cps)	Density (g/cm ³)	Working Time (min)	Hardness (Shore D)	Thermal Conductivity (W/(m·K))	Shear strength (MPa)
PU Series						
UTB080	95	1.65	15	65	0.8	8
UTB120	150	1.77	15	60	1.2	10
UTB200	470	2.17	30	65	2.0	11
UTB300	220	2.65	25	60	3.0	3
UB232	-	1.41	20	70	Non-thermal	12
UB249	130	1.55	15	65	Non-thermal	15
Epoxy Series						
			Cure Time			
EB316	150	1.48	40min @ 120°C	82	Non-thermal	19
EB330	30-50	1.20	15min @ 155°C	85	Non-thermal	25

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Optical structural adhesive



Product Features

- UV rapid curing for positioning
- One-component, suitable for automatic dispensing
- Good adhesion to various substrates
- Excellent aging resistance
- Low shrinkage and low stress



Product Brief

HA Series

Items	HA220	HA261	HA263	HA267	Test Standard
Product Series	Silicone	Epoxy	Epoxy	Epoxy	-
Appearance	Pale yellow to translucent	Pale yellow to translucent	Pale yellow to translucent	Pale yellow to translucent	Visual
Curing Method	UV+Heating	UV+Heating	UV+Heating	UV+Heating	-
UV Curing Conditions (s)	3-6 @365nm 1000-2000mW/cm ²	3-6 @365nm 500-2000mW/cm ²	3-6 @365nm 1000-2000mW/cm ²	3-6 @365nm 200-2000mW/cm ²	-
Thermal curing Conditions	60min @ 110 °C	60min @ 110 °C	60min @ 100	60min @ 85 °C	-
Viscosity (Pa·s)	100	10	18	20	GB/T 2794
Thixotropy	4.5	5	5	4	GB/T 2794
Tg (°C)	40	30	125	160	ASTM E831
CTE (ppm/°C)	240	70	60	30	ASTM E831
Tensile Strength (MPa)	3	6	-	-	GB/T 528
Cure depth (mm)	2	2	2	2	-
DIE Shear@Glass (MPa)	2.2 (Lap shear)	25	25	15 (PCB)	-
Volume shrinkage (%)	-	2.0	2.0	1.4	GB/T 24148.9

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