

# Selfbonding Wire Enamel (SB)

## 自粘性漆包線漆

Product	Viscosity		Solid Content		Characteristics And Applications	Conductor Diameter	Film Thickness	Bonding Temperature	Bonding Time	Bonding Strength	Resoftening Temperature
產品名稱	粘度		固體含量 (%)		特性及應用	裸線直徑	漆膜厚度	粘結溫度	粘結時間	粘結強度	再軟化溫度
	Ford cup (#4)	Brookfield type	120°C × 3hr×1.2g	180°C × 1hr×1.0g		mm	μm	°C	min	N	°C
	sec 25°C	mPa·s 30°C									
FBL 7P	25±5	50±5	7.0±1.5	7.0±1.5	縮丁醛系，酒精 / 通電熱風加工，空心線圈與音圈等應用 PVB type, bonding by alcohol or hot air, can be applied to air coil and voice coil.	0.30	15	130-150	30	1.0	110-130
TCV UF 8M	30±5	65±5	8.0±1.0	8.0±1.0	尼龍系，通電 / 熱風加工，小型馬達、智能卡、無線充電等應用	0.30	15	140-160	30	1.8	120-140
TCV UF 12M	170±20	400±100	12.0±1.0	12.0±1.0	Nylon type, bonding by hot air/electricity, can be applied to small electric motor, smart card, and wireless charging.						
TCV UF 8	30±5	65±5	8.0±1.0	8.0±1.0	尼龍系，酒精 / 熱風加工，小型音圈、中大型馬達應用，也可取代含浸漆	0.30	15	160-190	30	2.0	140-160
TCV UF 12	170±20	400±100	12.0±1.0	12.0±1.0	Nylon type, bonding by alcohol or hot air, can be applied to small voice coil, large or medium motor. It can replace dipping varnish.						
TCV UF 16	200±20	700±150	16.0±1.0	16.0±1.0							
FCV DP 25	N/A	2500±500	25.0±1.0	25.0±1.0	環氧系，通電 / 熱風加工，適用於電機馬達 Epoxy type, bonding by hot air/electricity, can be applied to hermetic application and electric motor.	0.30	15	160-180	30	1.5	150-170
FCV DP 25AA	200±20	800±200	25.0±1.0	25.0±1.0	環氧系，通電 / 熱風加工，無甲酚低臭味自粘漆；適用於電機馬達 Epoxy type, bonding by hot air/electricity, cresol free and low odor SB enamel, can be applied to electric motor.						
FCV PE 20E2	32±5	75±15	20.0±1.0	20.0±1.5	聚酯系，通電 / 熱風加工，與 PET/PVC 基材相容性良好；可低溫黏著；應用於智能卡 Polyester type, bonding by hot air with low bonding temperature/electricity, excellent compatibility of PET/PVC substrate, low bonding temperature. Can be applied to smart card.	0.30	15	110-130	30	0.5	70-80
FSB DF 12SL	60±10	120±30	12.0±1.0	12.0±1.0	尼龍系，通電 / 熱風加工，震動馬達、手錶線圈，無線充電應用	0.30	15	120-140	30	2.0	100-120
FSB DF 20SL	N/A	1200±300	20.0±1.0	20.0±1.0	Nylon type, bonding by hot air with low bonding temperature/electricity, can be applied to vibration motor, watch coil, and wireless charging.						
FSB YF 10LA	55±10	80±20	9.0±1.0	9.0±1.0	尼龍系，通電 / 熱風加工，風扇馬達、小型馬達應用	0.30	15	140-170	30	2.0	120-140
FSB YF 15LA	190±20	600±150	15.0±1.0	15.0±1.0	Nylon type, bonding by hot air/electricity, can be applied to fan motor and small motor.						
FSB FZ 17LA	N/A	1200±300	17.0±1.0	17.0±1.0	尼龍系，通電 / 熱風加工，小型馬達、震動馬達應用 Nylon type, bonding by hot air/electricity, can be applied to small motor, vibration motor.	0.30	15	160-180	30	2.0	140-160
FSB JY 10LA	57±10	100±20	10.0±1.0	10.0±1.0	尼龍系，通電 / 熱風加工，小型馬達、震動馬達應用	0.30	15	170-190	30	2.0	150-170
FSB JY 19LA	N/A	1200±300	19.0±1.0	19.0±1.0	Nylon type, bonding by hot air/electricity, can be applied to small motor, vibration motor.						
FSB PH 9A	33±5	65±10	9.0±1.0	8.0±1.0	尼龍系，通電 / 熱風加工，部分熱硬化高溫自粘漆，應用於風扇馬達、耐熱馬達	0.30	15	180-210	30	1.5	180-190
FSB PH 24A	N/A	1500±400	24.0±1.0	23.0±1.0	Nylon type, bonding by hot air/electricity, partial thermo-setting SB enamel, can be applied to fan motor and thermoresistant motor.						
FSB AN 18	57±10	100±20	18.0±1.0	16.0±1.0	芳香族尼龍系，高濃度化，通電 / 熱風加工，無甲酚低臭味，適用於耐熱電機、壓縮機；可與底漆同溫同爐作業。 Aromatic nylon type, high solid content, bonding by hot air/electricity, cresol free and low odor SB. Can be applied to thermoresistant electric motor, compressor. It can be worked under same oven same temperature as base coating.	0.05-0.30	15	200-240	30	1.5	210-220
FSB AN 30	N/A	1200±300	30.0±1.0	26.0±1.0		0.30-1.20	20-25	200-240	30	1.5	210-220

※ 再軟化溫度：依據黏結力測試 JIS C3003  
 ※ Resoftening temperature is according to bonding test JIS C3003